Textile Organon

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Textile Fiber End Use Survey

Highlights

1980 End use consumption totaled 12,070 million pounds, 6½% less than the 1979 total of 12,927 million pounds. The 1980 total divides as 8,781 million pounds man-made fibers (down 7½% from last year), cotton 3,119 million pounds (down 4% from a year ago) and wool 170 million pounds (down 1½% from 1979).

For 1980 apparel represents 39% of all end uses (up from 36½% in 1979), home furnishings 30½% (down from 31½% last year), industrial 25½% (down from 27% in 1979) and exports 5% (unchanged).

The first 14 pages of this *Organon* issue present the results of the latest in a series of surveys of United States textile fiber consumption by end use. Annual data are shown for the seven years 1974 through 1980. The data of this survey for 1974 and forward supersede those of similar earlier surveys.

Compared with last year's survey, significant revisions have been made in the following Apparel end uses: Sweaters and Related Accessories (8.29), Retail Piece Goods (55), and Top- or Bottomweight Fabrics. These revisions in the data for 1974-1979 are indicated by a black circle (•). Revisions to other series for the years 1974-1979 are also indicated by a black circle (•). Also see footnote (r) on page 193. As more reliable data become available, they are incorporated into the survey.

Other significant changes are in the Home Furnishings section, i.e., Bedspreads and Quilts (45) and Carpets & Rugs (50). Primarily due to the fact that the Census Bureau discontinued the reporting of fiber consumed in carpet face yarns at the beginning of 1980, we have based the revised data on producers' shipments plus imports. The figures no longer reflect any inventory plus goods-in-process increments or decrements (see page 177 of the November 1980 *Organon* issue).

Miscellaneous Industrial & Other Consumer-Type Products has been revised upward to include, among other items, the sustantial poundages of textile glass fiber used in the manufacture of roofing shingles and built-up roofing.

When the changes described above are kept in mind, the data in this survey may be used in conjunction with earlier issues of the *Organon* as follows:

YEARS	*Organon* ISSUE
1949-1955	November 1961
1956-1959	January 1966
1960-1963	January 1970
1964-1965	November 1971

Our usual quarterly review begins on page 199 herewith.

END USE CONSUMPTION CHANGES

END USE	TOTAL FIBER — MILLION POUNDS				TOTAL FIBER — % OF TOTAL END USE[a]				MAN-MADE FIBER — MILLION POUNDS				MAN-MADE FIBER — % OF TOTAL END USE[a]			
	74-77	1978	1979	1980	74-77	1978	1979	1980	74-77	1978	1979	1980	74-77	1978	1979	1980
APPAREL	4813	4977	4749	4707	41.4	39.0	36.6	39.0	3021	3155	2971	2947	37.4	33.9	31.3	33.6
HOME FURNISHINGS	3489	3986	4093	3660	30.0	31.4	31.7	30.3	2532	3088	3217	2828	31.4	33.2	33.8	32.2
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS	2854	3323	3475	3085	24.6	26.1	26.9	25.6	2313	2842	3005	2654	28.7	30.5	31.6	30.2
EXPORTS	457	449	620	618	4.0	3.5	4.8	5.1	203	225	313	352	2.5	2.4	3.3	4.0
TOTAL END USE	**11613**	**12745**	**12927**	**12070**	***100***	***100***	***100***	***100***	**8069**	**9320**	**9506**	**8781**	***100***	***100***	***100***	***100***

"74-77" means the annual average for the years 1974-1977. The 1978, 1979 & 1980 data are for single years only. All data are drawn from the End Use Consumption Summary table on page 190.

a. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add to 100% vertically in each case.

YEARS	*Organon* ISSUE
1966-1967	November 1973
1968-1969	November 1975
1970	November 1976
1971-1972	November & December 1978
1973	November 1980

In this manner, a continuous statistical series covering the 32 year span from 1949 through 1980 may be obtained.

FIBERS MEASURED IN THE SURVEY

The man-made fiber data are separated as Rayon+Acetate (the cellulosic fibers) and Other, which are the non-cellulosic fibers plus textile glass fiber. Except for carpets, no separation of the data by generic type within the end uses is shown. For a description of the man made fibers included, see footnote (2) under General Notes on page 193.

The cotton end use data cover raw cotton. Cotton waste and cotton linters poundages are excluded, except as described in the following section on waste.

The wool data cover both virgin and reprocessed & reused wool.

In all cases, the objective is to measure the amount of raw fiber required to produce the end use item concerned.

Silk, linen, jute, sisal, etc., are used in many of the products covered by the survey. But no poundage data for these fibers are included in the tables on pages 192-198. For comparison purposes, however, the total imports of these fibers are presented in the lower table on page 191. Further reference to these fibers is made in the General Notes on page 193.

WASTE FIBER COVERAGE IN THE SURVEY

Textile fiber waste is handled three different ways in the survey. First, end uses which employ waste fiber, either wholly or in part without preliminary processing, are not included, e.g., furniture stuffing, mattress felts, punched or needled felts for carpet & rug underlays, pressed wool felts, some nonwoven fabrics, etc.

Second, for certain end uses which utilize both new fiber and the fiber derived from processed waste, the poundages shown have been calculated so as to exclude the waste component insofar as possible, e.g., the cotton waste in Towels & Toweling (Item 48), Twine (Item 73), etc.

Conversely and third, waste which has been processed into usable spinnable fiber is included in the poundages shown for Blankets (Item 46), Carpets & Rugs (Item 50), Drapery & Upholstery (Item 52) and a number of other applications. In these products, fiber derived from waste by preliminary processing, and especially the man-made fiber poundages, is a significant and measured part of the total end use.

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Textile Organon

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OUTLINE AND COVERAGE OF THE SURVEY

The tabulations on pages 192-198 show the poundages of the itemized textile fibers consumed in the production of the named end use products in United States establishments. Because they are not manufactured in domestic mills, the substantial imports of finished products, such as apparel, blankets, tablecloths, rugs, etc., are not included in the survey poundages presented herewith.

The method employed for estimating the end uses of man made fibers differs from that used for the natural fibers. For the man made fibers, the data are based on producers' domestic shipments plus imports of fiber, yarn and semimanufactured products.

In the case of cotton, the data of the National Cotton Council were used extensively. For wool, government data plus estimates from other trade sources were employed.

END USE VS. AVAILABLE SUPPLY

A comparison of mill consumption plus semimanufactured imports (Available Supply) with end use consumption is presented in the center table on page 191. While more specific reasons which affect the correlation between these series are described in the following sections, some general remarks are presented here.

Cotton. End Use is lower than Available for most years; the same situation obtains in the National Cotton Council's survey data. Two reasons for this are advanced by the Council: a) many small uses are not included in the survey and b) estimates of materials consumed are based on "typical" cotton yarns and fabrics, not on the actual weights of every type of yarn and fabric consumed in the various end uses.

Timing and inventory changes also play a significant role. For example, some raw cotton correctly reported as "consumed" by the Census Bureau in the calendar year 1979 was not actually incorporated into end products until 1980 because of the time lags and inventory fluctuations involved in moving from raw fiber in the bale to a finished garment or other textile product. Similarly, an indeterminate amount of cotton consumed in 1980 was not embodied in finished products until 1981.

As noted, the cotton series herewith are mainly those of the National Cotton Council as presented in its annual survey "Cotton Counts Its Customers" (1981 and earlier editions).

Wool. Blends of wool with other fibers are common in many end uses, but little information is available on the fiber composition of these blends. Thus relatively reliable measures are available mainly on the wool poundages used in Home Furnishings (blankets and carpets) and such Apparel items as Retail Piece Goods and Craft Yarns.

These poundages were deducted from the Available Supply in the page 191 table and the residual poundages were then attributed to Apparel. Usage in individual apparel items for the years 1974-1980 was calculated by correlating the data of Census reports MA-23A and MQ-22T on Apparel and Broad Woven Goods respectively.

Man-Made Fibers. As will be seen, there is relatively good correlation between End Use and Available.

The fluctuations of producers' domestic shipments, as well as imports, from year to year are significant. In years when there is a large increase in domestic shipments plus imports of fiber (Available Supply), it is probable that some of the increase went into mill and manufacturers' inventories rather than directly into the end uses. Both warehouse inventories of yarn and staple and goods in process inventories would be involved. For example, it is likely that some of the large increase in the Available Supply between 1976 and 1977 was absorbed in inventories at various stages of the production process. In a period when Available Supply falls sharply (1973-1974 and 1974-1975, for instance) the movement is reversed. In a period of slower activity, mills and manufacturers reduce their warehouse inventories and work in process to reflect the lower level of activity.

UNIT PRODUCTION VS. FIBER CONSUMED

The survey attempts to show the poundage of raw fiber which had to be put into process in order to manufacture the end products itemized. Thus no direct comparison can be, or should be, made between the poundages of the fibers consumed, as recorded here, and the finished or "shelf" weight of those end products by fiber.

Several reasons for this disparity are discussed on pages 167 and 170 of the November 1976 ***Organon*** issue.

THE UTILITY POUNDAGE CONCEPT

The expression "Utility Poundage" was originated by the Textile Economics Bureau several years ago.

The principle involved is that textile fiber consumption, in terms of the consumers' use, cannot be accurately measured in absolute pounds when one fiber is compared with another. Among the variables taken into account are the different losses involved in spinning and processing the fibers and the differences in typical fabric weights of products made of the various fibers, as described. Because of these variables, in most cases a pound of man made fiber replaces more than a pound of natural fiber. However, no means of quantifying this difference in any reliable manner is available. Therefore, all figures in this end use study are on an **actual** rather than a Utility Poundage basis.

TEXTILE MILL CONSUMPTION IN THE MAIN END USES FOR SEVEN EEC COUNTRIES[a]

MILLION POUNDS & *Percent*

END USE & YEAR	GRAND TOTAL			COTTON			WOOL			MAN-MADE FIBERS[d]			MAN-MADE FIBER DETAIL (EXCEPT GLASS FIBER)					
													RAYON-ACETATE				NON-CELLULOSIC		
													TOTAL			YARN	STAPLE	TOTAL			YARN	STAPLE
	LBS	%[b]	%[c]	LBS	%[b]	%[c]	LBS	%[b]	%[c]	LBS	%[b]	%[c]	LBS	%[b]	%[c]	LBS	LBS	LBS	%[b]	%[c]	LBS	LBS
TOTAL END USE CONSUMPTION																						
1974	7614	100	100	2201	28.9	100	852	11.2	100	4561	59.9	100	1453	19.1	100	464	989	5108	40.8	100	1436	1772
1975	7052	100	100	1987	28.2	100	848	12.1	100	4197	59.7	100	1125	16.0	100	394	731	3072	43.7	100	1483	1689
1976	7307	100	100	2285	28.0	100	946	11.8	100	4766	59.6	100	1227	15.3	100	411	816	3539	44.3	100	1472	2067
1977	7524	100	100	2047	27.2	100	915	12.2	100	4562	60.6	100	1154	15.3	100	385	769	3408	45.3	100	1423	1985
1978	7869	100	100	2045	26.1	100	918	11.7	100	4876	62.2	100	1136	14.5	100	385	751	3740	47.7	100	1501	2239
1979	8170	100	100	2093	25.6	100	980	11.7	100	5128	62.7	100	1219	14.9	100	402	817	3909	47.8	100	1544	2365
APPAREL																						
1974	3809	100	50.0	951	25.0	43.2	588	15.4	69.0	2270	59.6	49.8	557	14.6	38.3	203	354	1713	45.0	55.1	787	926
1975	3588	100	51.0	862	24.0	43.4	596	16.6	70.3	2130	59.4	50.7	425	11.9	37.8	197	228	1705	47.5	55.5	791	914
1976	4181	100	52.5	1048	25.1	45.8	679	16.2	71.8	2454	58.7	51.5	477	11.4	38.9	192	285	1977	47.3	55.9	806	1171
1977	3801	100	50.5	936	24.6	45.7	644	17.0	70.4	2221	58.4	48.7	422	11.1	36.6	172	250	1799	47.3	52.8	754	1045
1978	3970	100	50.6	935	23.5	45.6	641	16.1	69.8	2396	60.4	49.1	415	10.5	36.5	187	228	1981	49.9	53.0	814	1167
1979	4202	100	51.4	985	23.4	47.0	676	16.1	70.4	2543	60.5	49.6	475	11.2	38.8	211	262	2070	49.3	53.0	825	1245
CARPETS																						
1974	898	100	11.8	24	2.7	1.1	169	18.8	19.8	705	78.5	15.4	84	9.3	5.8		84	621	69.2	20.0	227	394
1975	863	100	12.3	26	3.0	1.3	166	19.2	19.6	671	77.8	16.0	68	7.9	6.0		68	603	69.9	19.6	242	361
1976	930	100	11.6	22	2.4	1.0	165	17.7	17.4	743	79.9	15.7	48	5.2	3.9		48	695	74.7	19.6	278	417
1977	935	100	12.4	19	2.0	0.9	164	17.6	17.9	752	80.4	16.5	38	4.1	3.3		38	714	76.3	21.0	273	441
1978	984	100	12.7	19	1.9	0.9	170	17.1	18.5	805	81.0	16.5	34	3.4	3.0		34	771	77.6	20.6	273	498
1979	1008	100	12.3	15	1.5	0.7	177	17.7	18.5	811	80.8	15.8	29	2.9	2.4		29	782	77.9	20.0	279	503
OTHER HOME FURNISHINGS																						
1974	1705	100	22.4	787	46.2	35.7	68	4.0	8.0	848	49.8	18.6	399	23.4	27.5	47	352	449	26.4	14.5	123	326
1975	1499	100	21.3	701	46.8	35.3	60	4.0	7.1	738	49.2	17.6	403	26.2	26.9	47	266	455	29.0	14.2	118	337
1976	1705	100	21.3	791	46.4	34.6	73	4.3	7.7	841	49.3	17.6	348	20.4	28.4	45	303	493	28.9	13.9	125	368
1977	1642	100	21.8	721	43.9	35.2	75	4.6	8.2	846	51.5	18.5	330	20.1	28.6	37	293	516	31.4	15.1	134	382
1978	1674	100	21.4	733	43.8	35.9	77	4.6	8.4	864	51.6	17.7	292	17.4	25.7	38	254	572	34.2	15.3	145	427
1979	1712	100	20.9	745	43.4	35.5	78	4.6	8.1	891	52.0	17.4	308	18.0	25.2	38	270	583	34.0	14.9	145	438
TIRES																						
1974	200	100	3.4	15	5.8	0.7				185	94.2	5.4	191	73.4	13.1	190	1	54	20.8	1.7	54	
1975	218	100	3.0	13	6.1	0.6				200	93.9	4.8	140	65.7	12.5	140	-	60	28.2	1.9	60	
1976	231	100	2.9	11	4.8	0.5				220	95.2	4.6	149	64.5	12.1	149	-	71	30.7	2.0	71	
1977	222	100	3.0	7	3.2	0.4				215	96.8	4.7	150	67.5	13.0	150	-	65	29.3	1.9	65	
1978	200	100	2.5	6	3.0	0.3				194	97.0	4.0	138	69.0	12.2	138		56	28.0	1.5	56	
1979	185	100	2.2	5	2.7	0.3				180	97.3	3.5	129	69.7	10.6	129	-	51	27.6	1.3	51	
OTHER INDUSTRIAL USES																						
1974	944	100	12.4	424	44.9	19.3	27	2.9	3.2	493	52.2	10.8	222	23.5	15.3	24	198[e]	271	28.7	8.7	175	96
1975	869	100	12.4	385	44.3	19.4	26	3.0	3.0	458	52.7	10.9	189	21.7	10.8	20	169[e]	269	31.0	8.8	172	97
1976	950	100	11.9	413	43.5	18.1	29	3.0	3.1	508	53.5	10.6	205	21.6	16.7	25	180[e]	303	31.9	8.6	192	111
1977	924	100	12.3	364	39.4	17.8	32	3.5	3.5	528	57.1	11.6	214	23.1	18.5	26	188[e]	314	34.0	9.2	197	117
1978	1001	100	12.8	354	35.4	17.3	30	3.0	3.3	617	61.6	12.7	257	25.7	22.6	22	235[e]	360	35.9	9.6	213	147
1979	1077	100	13.2	345	32.0	16.5	29	2.7	3.0	703	65.3	13.7	280	26.0	23.0	24	256[e]	423	39.3	10.8	244	179

SOURCE: Comité International de la Rayonne et des Fibres Synthetiques, Paris, France

a. Belgium, France, Italy, Luxembourg, Netherlands, West Germany and the United Kingdom.

b. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

c. The percentages in these columns show the share of each fiber in the various end uses. They add vertically to the 100% shown under Total End Use Consumption columns.

d. Excludes olefin film fiber and textile glass fiber.

e. Includes acetate tow for cigarette filters.

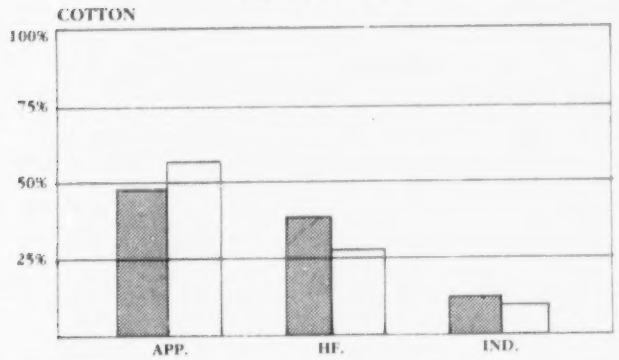
LIMITATIONS OF THE SURVEY RESULTS

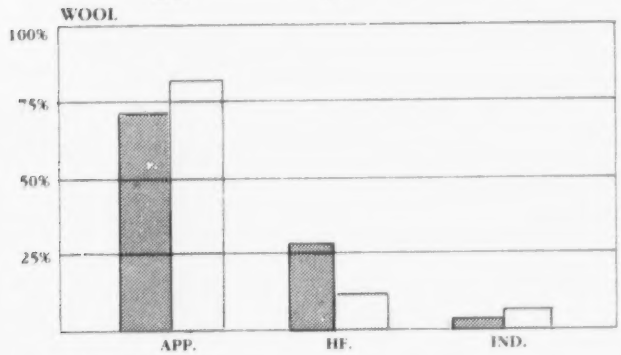
The statistical results of an end use survey can be only approximations at best. But when the data are viewed as one fiber relative to another, and not as absolute values, then they may be regarded as measuring the long term trend results of competition between the fibers.

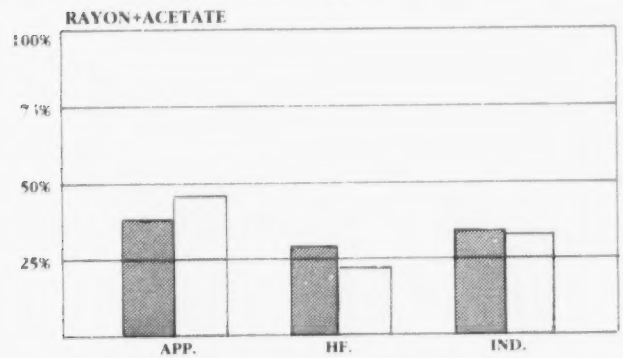
The data are given in millions of pounds and include one decimal place to show hundred thousand pounds. This device is employed not to show great accuracy, but rather to take into account some small poundages of fibers in such end uses as Apparel Lace (Item 43) and still allow the compilation to add arithmetically.

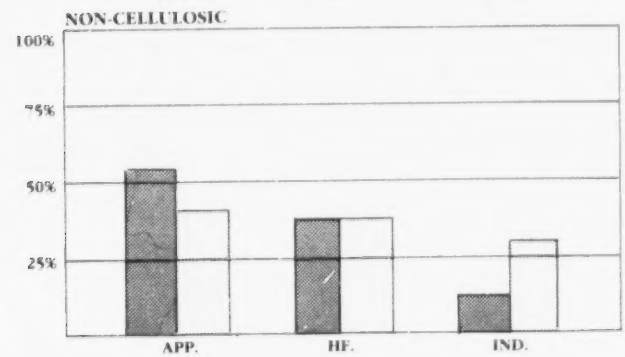
COMPARISON OF EEC VS. US END USE DATA

FIBER BY END USE

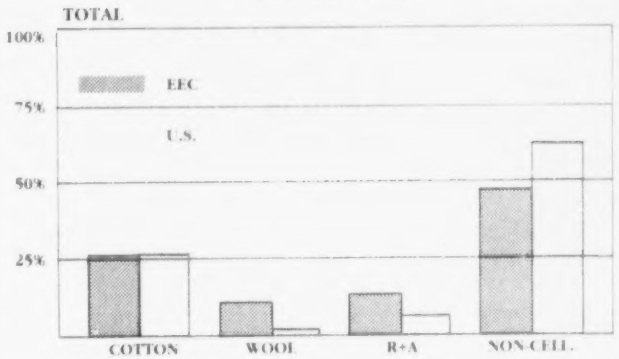


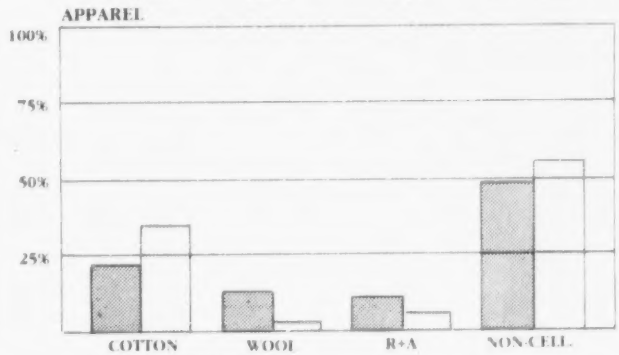


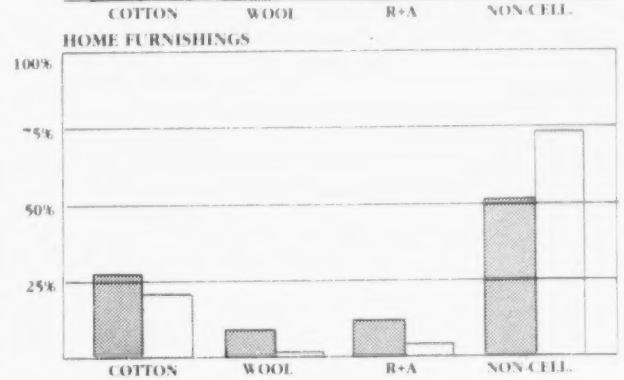


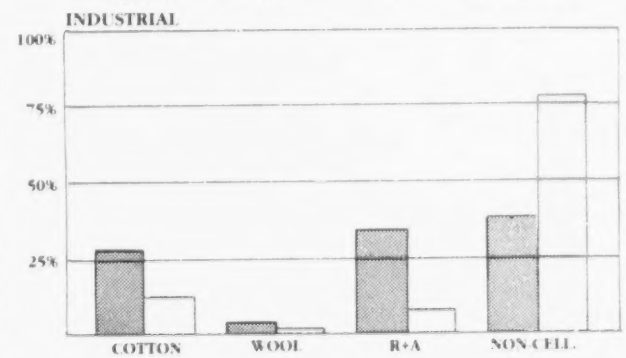


END USE BY FIBER









U.S. END USE CONSUMPTION SUMMARY

MILLION POUNDS & *Percent*

END USE & YEAR	GRAND TOTAL LBS	GRAND TOTAL %[a]	GRAND TOTAL %[b]	COTTON LBS	COTTON %[a]	COTTON %[b]	WOOL LBS	WOOL %[a]	WOOL %[b]	MAN-MADE FIBERS LBS	MAN-MADE FIBERS %[a]	MAN-MADE FIBERS %[b]	MAN-MADE FIBER DETAIL: RAYON-ACETATE TOTAL LBS	RAYON-ACETATE TOTAL %[a]	RAYON-ACETATE TOTAL %[b]	RAYON-ACETATE YARN LBS	RAYON-ACETATE STAPLE LBS	OTHER (NON-CELL-TEXT GLASS) TOTAL LBS	OTHER (NON-CELL-TEXT GLASS) TOTAL %[a]	OTHER (NON-CELL-TEXT GLASS) TOTAL %[b]	OTHER (NON-CELL-TEXT GLASS) YARN LBS	OTHER (NON-CELL-TEXT GLASS) STAPLE LBS
TOTAL END USE CONSUMPTION																						
1974	11,450	100	100	3446	30.4	100	149	1.3	100	7755	68.3	100	1119	9.8	100	490	629	6636	58.5	100	3907	2729
1975	10816	100	100	3196	29.6	100	150	1.4	100	7464	69.0	100	823	7.6	100	389	434	6641	61.4	100	3799	2842
1976	11,776	100	100	3492	29.6	100	174	1.5	100	8110	68.9	100	872	7.4	100	348	524	7238	61.5	100	3888	3350
1977	12,511	100	100	3389	27.1	100	176	1.4	100	8946	71.5	100	885	7.1	100	358	525	8063	64.4	100	4332	3731
1978	12,745	100	100	3238	25.4	100	187	1.5	100	9320	73.1	100	890	7.0	100	373	517	8430	66.1	100	4584	3846
1979	12,927	100	100	3248	25.1	100	175	1.4	100	9506	73.5	100	859	6.5	100	364	495	8647	67.0	100	4740	3927
1980	12,070	100	100	3119	25.8	100	170	1.4	100	8781	72.8	100	752	6.3	100	332	420	8029	66.5	100	4373	3656
APPAREL																						
1974	4672	100	41.2	1678	35.9	48.7	91	2.0	61.1	2903	62.1	37.4	422	9.0	37.7	282	140	2481	53.1	37.4	1391	1090
1975	4055	100	43.0	1565	33.6	48.9	105	2.2	67.3	2387	64.2	40.0	333	7.2	40.4	257	76	2054	57.0	40.0	1489	1165
1976	4820	100	40.9	1736	36.0	49.7	127	2.6	73.0	2957	61.4	36.5	288	6.0	33.0	216	72	2669	55.4	36.9	1309	1360
1977	5106	100	40.8	1735	34.0	51.2	132	2.6	75.0	3239	63.4	36.2	304	5.9	34.4	219	85	2935	57.5	36.4	1456	1479
1978	4977	100	39.0	1683	33.8	52.0	139	2.8	74.3	3155	63.4	33.9	307	6.2	34.5	228	79	2848	57.2	33.8	1444	1404
1979	4789	100	38.6	1636	34.5	50.4	132	2.8	76.3	2971	62.7	31.3	341	7.2	40.7	245	96	2630	55.5	30.3	1350	1271
1980	4707	100	39.0	1634	34.7	52.4	126	2.7	74.1	2947	62.6	33.6	303	6.4	40.3	225	78	2644	56.2	32.9	1246	1398
HOME FURNISHINGS																						
1974	3353	100	29.5	965	28.8	28.0	33	1.0	22.1	2355	70.2	30.4	255	7.6	22.8	69	186	2100	62.6	31.6	916	1184
1975	3238	100	29.9	907	28.1	28.4	32	1.0	20.5	2294	70.9	30.7	176	5.4	21.4	47	129	2118	65.5	31.9	809	1209
1976	3526	100	29.9	920	26.1	26.3	33	0.9	19.0	2573	73.0	31.7	216	6.1	24.8	45	171	2357	66.9	32.6	921	1436
1977	3842	100	30.7	905	23.6	26.7	32	0.8	18.2	2905	75.6	32.5	212	5.5	24.0	54	158	2693	70.1	33.4	1072	1621
1978	3986	100	31.4	863	21.6	26.6	35	0.9	18.7	3088	77.5	33.2	239	6.0	26.9	57	182	2859	71.5	33.9	1160	1699
1979	4093	100	31.7	846	[illegible]	26.1	27	0.7	15.6	3217	78.6	33.8	194	4.7	23.1	48	146	3023	73.9	34.9	1244	1779
1980	3960	100	30.3	800	22.0	25.8	26	0.7	15.3	2828	77.3	32.2	169	4.6	22.5	47	122	2659	72.7	33.1	1189	1470
INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS																						
1974	2833	100	25.0	548	19.3	15.9	10	0.4	6.7	2275	80.3	29.3	387	13.7	34.6	118	269	1888	66.6	28.5	1528	360
1975	2486	100	23.0	491	19.8	15.4	6	0.2	3.9	1989	80.0	26.7	264	10.6	32.1	62	202	1725	69.4	26.0	1333	392
1976	2954	100	25.1	569	19.3	16.3	7	0.2	4.0	2378	80.5	29.3	315	10.7	36.1	61	254	2063	69.8	28.5	1592	471
1977	3145	100	25.2	528	16.8	15.6	8	0.3	4.5	2609	82.9	29.2	316	10.0	35.8	62	254	2293	72.9	28.4	1743	550
1978	3323	100	26.1	472	14.2	14.6	9	0.3	4.8	2842	85.5	30.5	301	9.0	33.8	66	235	2541	76.5	30.1	1904	637
1979	3475	100	26.9	462	13.3	14.2	8	0.2	4.6	3005	86.5	31.6	271	7.8	32.3	50	221	2734	78.7	31.6	2003	725
1980	3085	100	25.6	420	13.6	13.5	11	0.4	6.5	2654	86.0	30.2	249	8.1	33.1	40	209	2405	77.9	30.0	1797	608
EXPORTS OF DOMESTIC PRODUCTS																						
1974	492	100	4.3	255	51.8	7.4	15	3.1	10.1	222	45.1	2.9	55	11.2	4.9	21	34	167	33.9	2.5	72	95
1975	442	100	4.1	235	53.2	7.3	13	2.9	8.3	194	43.9	2.6	50	11.3	6.1	23	27	144	32.6	2.1	68	76
1976	476	100	4.1	267	56.1	7.7	7	1.5	4.0	202	42.4	2.5	58	11.1	6.1	26	27	149	31.3	2.0	66	83
1977	418	100	3.3	221	52.9	6.5	4	0.9	2.3	195	46.2	2.1	51	12.2	5.8	23	28	142	34.0	1.8	61	81
1978	449	100	3.5	220	49.0	6.8	4	0.9	2.2	225	50.1	2.4	43	9.6	4.8	22	21	182	40.5	2.2	76	106
1979	620	100	4.8	301	48.5	9.3	6	1.0	3.5	313	50.5	3.3	33	5.3	3.9	21	12	280	45.2	3.2	128	152
1980	618	100	5.1	259	41.9	8.3	7	1.1	4.1	352	57.0	4.0	31	5.0	4.1	20	11	321	52.0	4.0	141	180

a. The percentages in these columns show the share of each fiber in the specified end use each year. They add horizontally to the 100% shown in each of the Grand Total columns.

b. The percentages in these columns show the usage of each type of fiber by its major end use categories. They add vertically to the 100% shown under Total End Use Consumption.

EEC AND U.S. END USE DATA COMPARED

The charts on page 189 show a comparison (on a percentage basis) of EEC end use data (courtesy of CIRFS) with that of the U.S. for 1979. The EEC data include acetate tow for cigarette filtration and exclude textile glass fiber, whereas the U.S. data include textile glass fiber but exclude acetate tow for cigarette filtration. U.S. exports of yarn and fabrics have been included with apparel here.

Overall, the EEC consumes the same percentage of cotton, a greater percentage of wool and cellulosic fibers, and a smaller percentage of non cellulosic fibers than the U.S.

By end use, non cellulosic fibers have a greater share of each end use segment in the U.S. than in the EEC. The EEC uses proportionately more cotton, wool and cellulosic fibers in each end use than the U.S. except for cotton going into apparel, where the situation is reversed.

By fiber type, both the U.S. and the EEC show apparel as the largest market. The EEC shows a more even distribution of cellulosic fibers by end use whereas the U.S. shows a more even distribution of non cellulosic fibers

(Continued on page 198)

MILL CONSUMPTION+SEMI-MFRD. IMPORTS MILLION POUNDS

YEAR	MAN MADE FIBERS: MILL CONSUMPTION[a] RAYON+ACETATE YARNS	RAYON+ACETATE STAPLE[b]	RAYON+ACETATE TOTAL	NON-CELLULOSIC+TEXT. GLASS YARNS	NON-CELLULOSIC+TEXT. GLASS STAPLE[b]	NON-CELLULOSIC+TEXT. GLASS TOTAL	IM PORTS[c]	TOTAL	COTTON: MILL CONS[d]	IM PORTS[c]	TOTAL	WOOL: MILL CONS[d]	REPROCESSED & REUSED[d]	COTTON SYSTEM[d]	IM PORTS[c]	TOTAL	MILL CONS+ IMPORTS AVAILABLE
1974	1820	1025.0	2,845.0	3,865.2	2,728.2	6,593.4	80.8	6,674.2	5,998.1	280.3	6,278.4	155.0	10.0	11.0	15.5	191.5	13,144.6
1975	1577.8	1,124.2	2,702.0	3,802.1	2,812.4	6,614.5	80.0	6,694.5	5,405.7	258.1	5,663.8	132.1	11.5	11.0	12.8	167.4	12,525.7
1976	1,610	1,215.7	2,825.8	3,888.8	2,818.4	6,707.2	108.1	6,815.3	5,869.0	333.4	6,202.4	148.0	11.5	9.1	14.0	182.6	13,197.9
1977	1,510	1,317.2	2,827.2	4,345.2	3,167.1	7,512.3	127.0	7,639.3	6,107.8	238.1	6,345.9	155.0	10.7	9.1	12.8	186.6	13,972.4
1978	1,615.5	1,202.6	2,818.1	4,780.8	3,762.2	8,543.0	108.5	8,651.5	5,109.6	246.7	5,356.3	143.6	9.6	8.0	11.9	173.1	14,180.9
1979	1,850.7	1,477.5	3,328.2	4,770.2	3,857.8	8,628.0	110.1	8,738.1	5,106.6	240.1	5,346.7	155.6	9.6	8.0	11.9	185.1	14,270.5
1980	1,525.0	1,215.7	2,740.7	4,426.0	3,017.0	7,443.0	111.6	7,554.6	5,381.6	277.6	5,659.2	144.0	10.8	8.6	13.5	176.9	13,390.7

a. Mill consumption is taken from page 8[illegible] of the March 1981 *Organon* issue plus subsequent revisions.

b. Man Made staple includes waste.

c. Imports are taken from page 87 of the March issue and comprise some manufactured goods; see the footnotes there.

d. These quantities of fiber processed are estimates based as well as possible on the cotton spinning system and the woolen & worsted mill consumption series of wool (see page 9[illegible] of the February 1975 *Organon*). However, they are considered here as part of the available supply. Their relationship to the table below.

END USE VS. AVAILABLE SUPPLY MILLION POUNDS & [illegible]

FIBERS	1974 AVAILABLE[a]	1974 END USE[b]	1974 %	1975 AVAILABLE[a]	1975 END USE[b]	1975 %	1976 AVAILABLE[a]	1976 END USE[b]	1976 %	1977 AVAILABLE[a]	1977 END USE[b]	1977 %	1978 AVAILABLE[a]	1978 END USE[b]	1978 %	1979 AVAILABLE[a]	1979 END USE[b]	1979 %	1980 AVAILABLE[a]	1980 END USE[b]	1980 %
COTTON	3587	3410	95.1	3307	3195	96.6	3740	3605	96.4	3428	3380	98.6	3451	3258	94.4	3510	3245	92.5	3342	3231	96.7
WOOL	151	145	96.7	160	157	98.1	182	173	95.0	180	177	98.3	205	187	91.2	186	176	94.6	174	168	96.6
TOTAL COTTON & WOOL	**3738**	**3595**	**96.2**	**3467**	**3352**	**96.7**	**3922**	**3667**	**93.5**	**3608**	**3566**	**98.8**	**3656**	**3445**	**94.2**	**3696**	**3421**	**92.6**	**3516**	**3288**	**93.5**
MAN-MADE YARN[d]	600	600 [illegible]	[illegible]	501	501	100.0	550	548	99.6	560	550	98.2	575	575	100.0	561	561	100.0	552	552	100.0
MAN-MADE STAPLE[c]	640	629	98.3	455	455	100.0	528	524	99.2	540	525	97.2	552	547	99.1	498	475	95.4	427	421	98.6
NON-CELL. YARN[d]	3276	3276 [illegible]	[illegible]	3366	3265	98.8	3249	3210	98.8	3648	3540	97.0	3798	3697	97.3	3865	3816	98.7	3600	3600	97.2
NON-CELL. STAPLE[c]	2761	2727	98.8	2842	2841	99.9	3551	3451	97.2	3754	3750	99.9	3867	3880	100.0	3928	3920	99.8	3600	3655	101.5
TOTAL MAN MADE FIBER ABOVE	**7157**	**7122**	**99.5**	**6972**	**6929**	**99.4**	**7378**	**7433**	**99.4**	**8224**	**8154**	**99.1**	**8510**	**8433**	**99.1**	**8640**	**8583**	**99.3**	**8022**	**7907**	**98.6**
TEXTILE GLASS FIBER	681	653 [illegible]	[illegible]	554	554 [illegible]	[illegible]	678	678 [illegible]	[illegible]	701	701 [illegible]	[illegible]	887	887 [illegible]	[illegible]	922	922 [illegible]	[illegible]	677	677 [illegible]	[illegible]
TOTAL FIBERS ABOVE	**11526**	**11348**	**98.5**	**10973**	**10815**	**98.6**	**12078**	**11778**	**97.5**	**12623**	**12511**	**99.1**	**12961**	**12745**	**98.3**	**13058**	**12926**	**99.0**	**12412**	**12069**	**97.2**

a. Available means mill consumption plus the imports of semimanufactured products — from the table above.

b. End Use from the upper section of the page 190 table.

c. End Use as a percentage of Available.

d. Yarn includes monofilaments.

e. Staple includes tow, fiberfill and waste.

IMPORTS FOR CONSUMPTION MILLION POUNDS

YEAR	SILK RAW MATL	SILK SEMI MFRD	SILK FIN ISHED	SILK TOTAL	LINEN RAW MATL	LINEN SEMI MFRD	LINEN FIN ISHED	LINEN TOTAL	JUTE RAW MATL	JUTE SEMI MFRD	JUTE FIN ISHED	JUTE TOTAL	SISAL & OTHERS RAW MATL	SISAL & OTHERS SEMI MFRD	SISAL & OTHERS FIN ISHED	SISAL & OTHERS TOTAL	TOTAL IMPORTS (TO THE LEFT)
1974	2.0	1.0	10.0	13.0	2.2	0.8	24.5	27.5	0.2	70.8	0.7	87.0	13.0	8.0	38.8	59.8	1147.3
1975	1.0	0.9	10.7	21.0	0.8	1.5	28.0	30.5	40.0	48.8	2.8	89.6	8.4	8.4	21.8	38.6	1000.7
1976	2.8	1.4	1.8	5.8	0.6	1.8	34.5	40.0	43.2	88.5	0.0	131.8	10.2	7.0	27.5	38.6	1137.1
1977	1.6	2.0	1.8	5.4	0.4	3.4	35.2	39.0	26.7	30.9	20.2	77.8	11.9	8.7	23.4	44.2	1071.4
1978	2.0	3.6	5.8	11.4	1.0	8.2	36.2	45.4	57.0	88.0	38.2	184.0	12.8	8.2	28.0	49.0	1080.1
1979	1.8	2.8	4.0	8.2	0.9	8.1	30.4	39.4	48.5	68.8	1.8	119.0	11.0	4.7	30.8	46.5	1021.0
1980	1.0	5.1	1.4	8.5	0.6	2.9	27.7	31.2	20.0	58.0	1.6	81.6	10.6	8.6	24.2	43.4	867.0

SOURCE: U.S. Census Bureau

Because these fibers are not grown in the United States (flax production is nominal) imports are taken as the total available supply.

SILK. **Raw material** means raw silk plus silk waste & noils. **Semimanufactured** means spun & thrown silk yarns and silk fabrics. **Finished goods** are mainly scarves, handkerchiefs, blouses and laces.

LINEN. **Raw material** includes hackled and unhackled flax, noils, tow & sliver. **Semimanufactured** includes linen yarn, sliver & roving. **Finished goods** are mainly fabrics, handkerchiefs, towelling, tapery & dresses.

JUTE. **Raw material** includes unmanufactured jute and jute butts. **Semimanufactured** means yarn & jute tow & waste hessian and burlap in the piece. **Finished goods** are mainly cordage, rugs and webbing.

SISAL & OTHERS includes all of the *[illegible]* fibers (e.g. abaca, mainly hemp; coir, coconut fiber; istle or tampico; sisal etc.) **Raw material** imported into the United States plus the *soft or bast fibers* (e.g. hemp, ramie, sunn, etc.) except flax or linen and jute, which are tabulated separately here. **Semimanufactured** is chiefly yarn, tow & roving. **Finished goods** are mainly cordage and twine.

APPAREL[a]

END USE & YEAR		TOTAL FIBER	MAN MADE FIBERS[b] TOTAL	RAYON-ACETATE YARN	RAYON-ACETATE STAPLE	OTHER YARN	OTHER STAPLE	COTTON	WOOL
TOTAL APPAREL	1974	4671.5	2902.6	281.9	139.8	1391.2	1089.7	1677.6	91.3
	1975	4655.1	2987.3	257.5	75.9	1488.6	1165.3	1562.7	105.1
	1976	4819.5	2956.7	216.0	72.1	1308.3	1360.3	1736.0	126.8
	1977	5106.0	3238.8	219.1	84.4	1456.1	1479.2	1734.7	132.5
	1978	4976.6	3154.8	227.6	79.0	1443.8	1404.4	1683.1	138.7
	1979	4738.6	2970.7	244.8	96.4	1358.5	1271.0	1635.9	132.0
	1980	4706.5	2947.1	225.2	78.2	1245.8	1397.9	1634.0	125.4
40 SHEER HOSIERY (MW)*	1974	458	458	0.2		456			
	1975	520	520	c		520			
	1976	562	562			562			
	1977	547	547			547			
	1978	609	609			609			
	1979	661	661			661			
	1980	678	678			678			
41-42 ANKLETS & SOCKS (MW)*	1974	1207	857		0.1	450	426	325	2.7
	1975	1411	962		0.1	581	450	419	3.0
	1976	1469	997		0.2	486	509	392	2.0
	1977	1650	1292		0.4	559	729	347	2.0
	1978	1785	1465		0.5	560	880	402	2.0
	1979	1671	1314		0.5	527	782	332	2.5
	1980	1882	1519		0.5	569	945	339	2.4
8, 29 SWEATERS & RELATED ACCESSORIES (MW)*	1974	1178	934		c	99	850	77	15.2
	1975	1064	871		c	91	780	71	10.1
	1976	1176	1017		c	77	940	69	9.0
	1977	1400	1215		0.7	168	1040	76	11.5
	1978	1167	975		0.7	98	870	75	11.7
	1979	1087	877		0.7	100	770	67	14.3
	1980	1253	1013		0.1	122	890	93	13.0
57 CRAFT & HANDWORK YARNS*	1974	828	694		3.7		657	97	3.7
	1975	1103	980		6.3		917	201	2.2
	1976	917	845		3.4		813	59	2.2
	1977	1110	1054		3.3		1021	42	2.0
	1978	1151	1075		1.7	c	1056	38	2.0
	1979	1186	1107		0.9	c	1088	37	4.2
	1980	1166	1083	c	0.2	c	1063	55	4.0
10-18 UNDERWEAR & NIGHTWEAR (MW)*	1974	2550	440	1.0		1.7	41.3	2104	0.6
	1975	2502	656	c		4.0	59.6	1859	0.7
	1976	2570	581			2.0	57.2	1969	0.9
50-58	1977	2517	665			0.3	60.2	1842	1.0
	1978	2547	740		0.3	1.6	59.7	1791	1.0
	1979	2579	863		0.8	2.1	64.2	1706	1.0
	1980	2674	1000	c	0.8	2.2	77.0	1624	1.0
55-80 UNDERWEAR, NIGHTWEAR, BRAS AND FOUN DATIONS (MW)*	1974	2458	1889	54.1	10.6	111.5	22.7	543	0.6
	1975	2040	1513	31.1	9.5	109.5	10.2	519	0.8
	1976	1995	1467	25.0	1.5	110.4	11.8	516	1.0
	1977	2427	1859	19.2	2.2	148.7	15.8	558	1.0
	1978	2586	1903	14.7	3.2	141.7	30.7	674	1.0
58,8	1979	2503	1841	18.7	2.1	147.5	25.8	652	1.0
	1980	2545	1660	19.7	0.6	117.0	5.7	615	1.0
30-31 ROBES & LOUNGE WEAR (MW)*	1974	938	711	30.8		51.4	3.0	217	1.0
	1975	886	619	32.4		26.6	2.9	202	1.5
	1976	991	765	39.8		33.6	3.1	206	2.0
58,8	1977	1159	912	36.3		30.4	4.5	202	2.5
	1978	1430	1113	70.3	c	33.7	7.1	199	2.0
	1979	1312	1108	60.5	0.9	36.2	15.2	179	2.5
	1980	1460	1265	65.0	0.4	38.0	24.9	175	2.4

END USE & YEAR		TOTAL FIBER	MAN-MADE FIBERS[b] TOTAL	RAYON-ACETATE YARN	RAYON-ACETATE STAPLE	OTHER YARN	OTHER STAPLE	COTTON	WOOL
54a HIGH PILE FABRICS*	1974	823	825				3.9	78.6	
	1975	1065	1065				5.1	103.4	IN
	1976	1100	1100		0.1		5.1	106.8	ITEM
	1977	1250	1250		0.1		6.8	118.1	Sub
	1978	1157	1157				10.5	105.2	BELOW
	1979	1050	1050	c	0.4		13.5	89.1	
	1980	1004	1004		0.1		14.3	86.0	
54b FABRICS FOR LINING*	1974	2204	1874	r70.5	20.5		26.1	20.5	80.5	2.5
	1975	2104	1852	r79	r11.4		22.4	23.5	72.4	2.8
	1976	2255	1451	89.5	r7.2		27.8	20.6	75.2	3.2
	1977	2268	1525	93.4	r7.2		25.3	26.6	70.8	3.5
	1978	2187	1501	92.3	r6.6		23.8	27.4	65.6	3.0
	1979	2084	1404	86.8	8.7		24.0	26.9	59.5	2.5
	1980	1815	1236	78.0	7.5		17.0	21.1	55.5	2.4
45 APPAREL LACE (MW)*	1974	62	47	2.5			2.2		1.5	
	1975	79	64	5.0			1.4		1.5	
	1976	68	53	3.5			1.6		1.5	
	1977	80	65	3.5			3.0		1.5	
	1978	100	85	3.7			4.8		1.5	
	1979	68	53	1.7			3.6		1.5	
	1980	67	52				5.2		1.5	
55 RETAIL PIECE GOODS*	1974	678.5	345.0	5.0	5.0		25.0	75.0	187.5	6.0
	1975	679.6	353.0	4.6	4.0		25.0	75.0	140.6	6.0
	1976	477.7	340.0	7.5	7.5		22.5	100.0	132.2	5.5
	1977	450.1	330.0	6.0	6.0		19.0	119.0	124.1	5.0
	1978	405.5	291.0	5.0	5.0		16.1	120.0	110.5	4.0
	1979	343.3	250.0	4.0	4.0		12.1	121.0	89.3	4.0
	1980	330.0	240.0	3.0	3.0		10.2	122.0	77.0	3.0
56a NARROW FABRICS*	1974	612	297	15.0	5.9		7.0	1.8	81.5	
	1975	501	210	5.1	4.1		9.2	2.6	29.1	
	1976	481	225	7.7	0.6		11.4	2.8	25.6	
	1977	429	253	5.7	0.6		13.4	3.6	19.6	
	1978	549	299	5.6	0.2		16.0	8.1	25.0	
	1979	484	254	5.1	0.4		13.1	6.8	23.0	
	1980	528	296	7.5	0.5		17.2	4.0	23.2	
TOPWEIGHT FABRICS*	1974	918.9	615.0	8.7.0	80.0		178.0	270.0	302.4	1.5
	1975	912.5	640.0	92.0	36.0		214.0	298.0	281.0	1.5
	1976	907.0	569.0	58.0	45.0		157.0	339.0	336.0	2.0
	1977	982.0	629.0	25.0	45.0		206.0	455.0	351.0	2.0
	1978	1041.3	689.0	24.0	42.0		263.0	360.0	349.8	2.5
	1979	1037.6	686.0	42.0	49.0		265.0	330.0	349.1	2.5
	1980	980.3	611.0	34.0	42.0		200.0	335.0	366.7	2.4
BOTTOMWEIGHT FABRICS*	1974	1862.1	1093.0	10.0	24.0		680.0	380.0	711.6	57.5
	1975	1887.5	1140.0	10.0	r12.0		733.0	385.0	671.0	76.5
	1976	2018.0	1135.0	7.0	r15.0		624.0	490.0	764.0	99.0
	1977	2097.0	1212.0	10.0	18.0		689.0	495.0	785.0	102.0
	1978	1931.8	1088.0	12.6	r19.0		647.0	410.0	734.3	109.5
	1979	1798.4	980.0	26.0	28.0		592.0	320.0	734.9	97.5
	1980	1861.2	1012.0	20.0	22.0		570.0	400.0	756.0	93.2
OTHER APPAREL & ACCESSORIES (MW)*	1974	82.0	5.5		1.0		1.0	3.5	76.5	c
	1975	64.5	4.5		1.5		0.6	2.4	60.0	c
	1976	66.0	5.4		1.6		0.7	3.0	61.5	c
SHEETINGS	1977	84.1	6.1		2.9		0.8	2.4	78.0	c
	1978	85.1	4.6		c		1.0	3.6	78.5	c
	1979	92.8	11.5		c		2.5	9.0	81.3	c
	1980	69.4	5.7		0.7		2.0	3.0	63.7	c

NOTES FOR APPAREL ITEMS OPPOSITE

a: For all lettered and general footnotes to this table, see notes on page 198 below.

40. SHEER HOSIERY (W) includes full fashioned & seamless, full length, pantyhose, knee highs and surgical hosiery. Bodywear is in Items 35-39.

19-41. ANKLETS & SOCKS (MW) includes men's and women's foot socks, anklets and nonsheer knee high hose. Also includes men's midcalf and surgical hose.

8, 29. SWEATERS (MW) includes knitted sweater shirts, coats, jackets and related accessories. Also note Item 57.

57. CRAFT & HANDWORK YARNS includes yarn and thread for crocheting, darning, embroidery, mending, hand knitting, etc. The item does not include sewing thread (Item 72). Olefin yarn for macramé is in Miscellaneous Industrial.

16-18. UNDERWEAR & NIGHTWEAR (M) includes undershirts, shorts & briefs, sleep coats, pajamas, nightshirts, thermal underwear, etc.

35-39. UNDERWEAR, NIGHTWEAR, BRAS AND FOUNDATIONS. The underwear and nightwear component includes full and half slips, panties, pettipants, camisoles, vests, briefs and thermal underwear as well as nightgowns, sleep & lounging pajamas, sleep coats, peignoir & robe sets with nightgowns or pajamas, negligees and bedjackets. Includes bodywear and all children's and infants' underwear & nightwear. **Excludes**[1] trim, elastic webbing, apparel lace, braid or narrow fabric used in these products.

The bras and foundations component includes bandeaux, corsets & girdles, combination & one piece garments, garter belts, two-way stretch and surgical & maternity foundation garments.

30-34. ROBES & LOUNGEWEAR (MW) includes men's & boys' beach & bathrobes, dressing gowns and smoking jackets, and women's beach & bathrobes and housecoats.

54a. HIGH PILE FABRICS includes all applications (Apparel, Home Furnishings and Industrial). "Apparel, shell fabrics and "surface lining" garment items are included.

54b. FABRICS FOR LINING includes all man made fiber types except high pile fabrics (Item 54a), lining type fabrics sold as retail piece goods (see Item 55) and the lining components of shoes & slippers and luggage and handbags (Miscellaneous Other Consumer Type). The apparel lining component of this series includes main linings, interlinings, zip in linings (except pile), linings for pockets and waistbands as well as the acetate and nylon tricot used for laminating. Cotton drapery linings are not included here but are in Item 52. Also not included are interlinings of haircloth, urethane and nonwoven fabrics.

45. APPAREL LACE includes nets and veilings.

55. RETAIL PIECE GOODS are mainly women's apparel type fabrics but all other types of apparel fabrics are included in addition to fabrics destined for apparel linings and home furnishings application.

56a. NARROW FABRICS includes **ELASTIC AND NONELASTIC TYPES**. The "narrow woven goods" made by slicing thermoplastic fiber broad woven fabrics with a hot knife to produce fused edge narrow fabrics are not included here. **NARROW FABRIC** poundages for home furnishings and industrial uses are shown in those sections.

TOPWEIGHT FABRICS includes all shirts, blouses, lightweight dress and other lightweight fabrics. The fabrics generally weigh 5.0 ounces or less per square yard. Retail piece goods are in Item 55.

BOTTOMWEIGHT FABRICS includes pants, sportswear, tailored clothing, career apparel and other heavier weight fabrics. The fabrics generally weigh more than 5.0 ounces per square yard. Retail piece goods are in Item 55.

OTHER APPAREL includes men's & women's work gloves and handkerchiefs. Man made fiber used for knitted accessories such as scarves, mufflers, gloves, caps etc., is in Items 8 & 29.

GENERAL NOTES FOR THE END USE TABLES ON PAGES 192-198

Units are in million pounds.

c: Means less than 50,000 pounds, i.e., nominal.

—: Means that little, or none, of the fiber is used.

*: When an asterisk appears, there is a footnote at the end of the table.

•: Means a significant revision in the 1974-1980 data series compared with the corresponding data shown in the November 1980 *Organon* issue. Earlier years data on the new basis are not available.

a: This letter in the title of each table refers the reader to these notes.

b: Man made fiber end use in these tables is divided between Rayon+Acetate (the cellulosic fibers) and Other (the non cellulosic fibers plus textile glass fiber). Yarn includes monofilaments and olefin "yarn" also includes film fiber and spunbonded polypropylene. Staple includes tow & fiberfill, see Item 70a, Fiberfill, Stuffing & Flock and its footnote on page 197. All textile glass fiber is tabulated as yarn. Certain waste poundages, which are tabulated with staple, are included, see text on page 180.

The non cellulosic fibers included in this survey, for one or more years, are the acrylic, aramid, modacrylic, nylon, olefin (polyethylene & polypropylene), polyester, saran, spandex and vinyon fibers.

d: The staple data are tabulated in the yarn column.

e: The yarn data are tabulated in the staple column.

r: This datum shows a significant revision compared with the November 1980 *Organon* data.

When textile glass fiber is included in an end use, the word "Glass" appears in the lower left corner of the end use box, together with the annual consumption data for 1974-1980. These glass fiber poundages are included with non cellulosic yarn in that end use and in the section totals.

When silk, linen, jute, sisal, etc., are consumed in an end use, in addition to cotton, wool and the man made fibers, the fiber is named in the middle left of the end use box. But no poundage data for such fibers are included in either such end use or in the section totals.

As described in the footnotes to Items 54a and 54b above, apparel linings, pockets and such are tabulated in Items 54a and 54b and not with the applicable garments.

In the Apparel table, the sex and age classifications used are those of the U.S. Census Bureau. Thus **M** means Men's plus Boys' and **W** means all other persons except the foregoing, i.e., Women's, Misses', Juniors', Girls', Children's & Infants'.

HOME FURNISHINGS[a]

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
		TOTAL	RAYON/ACETATE		OTHER			
			YARN	STAPLE	YARN	STAPLE		
TOTAL HOME FURNISHINGS	1974 3353.9	2354.5	69.0	185.9	915.8	1183.8	965.5	33.0
	1975 3232.5	2294.1	47.3	128.6	909.5	1208.6	906.5	31.9
	1976 3526.4	2572.8	45.0	170.6	921.5	1435.7	920.6	33.0
	1977 3842.3	2904.7	54.2	157.9	1072.1	1620.5	905.6	32.0
	1978 3995.7	3097.4	56.3	182.1	1160.2	1698.8	863.0	35.3
[illegible]	1979 4093.0	3216.8	48.1	146.3	1244.0	1778.4	849.3	26.9
[illegible]	1980 3660.3	2828.2	47.3	122.4	1189.1	1469.4	806.3	25.8
57 BLOSHEADS & QUILTS*	1974 [illegible]	50.2	12.4	0.8	18.0	19.0	780.6	
	1975 [illegible]	46.9	10.5	0.6	19.0	22.0	838.6	
	1976 [illegible]	62.8	14.2	5.1	19.5	25.0	856.6	
	1977 [illegible]	65.1	7.8	5.1	20.5	32.0	825.5	
	1978 [illegible]	78.5	8.5	0.0	25.0	40.0	1063.7	
	1979 [illegible]	76.8	8.0	4.0	24.5	47.0	1101.1	
	1980 [illegible]	72.9	5.4	2.1	15.4	50.0	855.0	
60 BLANKETS & BLANKETING*	1974 [illegible]	120.1	100.0	11.5	0.6	4.0	100.7	9.7
	1975 [illegible]	110.4	102.0	0.1	0.5	4.2	98.0	9.0
	1976 [illegible]	107.5	93.5	0.1	0.5	4.0	88.9	8.8
	1977 [illegible]	130.8	115.7	0.2		4.8	110.7	8.8
	1978 [illegible]	129.2	114.7	0.1	1.2.0	4.7	107.9	8.5
	1979 [illegible]	112.1	100.5	0.1	1.2.0	4.1	94.1	7.3
	1980 [illegible]	100.1	87.2		2.0	3.5	81.7	7.0
67 SHEETS & SHEETING*	1974 [illegible]	304.5	212.7	1.8	22.1	3.6	187.7	28.1
	1975 [illegible]	279.0	202.1	1.7	7.5	10.2	184.1	27.9
	1976 [illegible]	328.5	248.4	0.2	8.7	9.2	230.5	28.0
	1977 [illegible]	325.2	242.1	0.7	18.7	10.3	208.4	28.1
	1978 [illegible]	308.8	237.4	2.4	15.6	18.1	203.5	[illegible]
	1979 [illegible]	310.7	254.1	3.0	9.0	22.2	219.9	[illegible]
	1980 [illegible]	301.8	260.8	2.8	9.4	25.9	226.2	24.0
68 TOWELS & TOWELING*	1974 [illegible]	301.5	4.0		2.1		1.9	297.5
	1975 [illegible]	271.9	13.2		1.2		12.0	258.2
	1976 [illegible]	285.5	13.4		0.3		12.9	272.1
[illegible]	1977 [illegible]	308.6	28.5		0.5		28.0	280.1
	1978 [illegible]	308.2	27.9		0.5		27.4	[illegible]
	1979 [illegible]	341.5	33.5		0.5	[illegible]	33.8	[illegible]
	1980 [illegible]	332.8	35.4		0.9	[illegible]	34.4	297.5
70 NARROW FABRICS*	1974 [illegible]	9.9	2.9	2.9				7.0
	1975 [illegible]	7.1	0.6	0.6				6.5
	1976 [illegible]	6.5	0.8	0.8				5.7
	1977 [illegible]	5.7	1.4	0.5		[illegible]	[illegible]	4.4
	1978 [illegible]	7.2	2.5	1.4		[illegible]	0.5	4.7
	1979 [illegible]	6.2	1.9	0.6		[illegible]	0.4	4.3
	1980 [illegible]	5.5	1.4	0.2	0.1	0.6	0.5	3.9

END USE & YEAR	TOTAL FIBER	MAN-MADE FIBERS[b]					COTTON	WOOL
		TOTAL	RAYON/ACETATE		OTHER			
			YARN	STAPLE	YARN	STAPLE		
50 TOTAL CARPETS & RUGS*	1974 [illegible]	1550.2	1.1	2.9	758.8	790.4	220.1	19.4
	1975 [illegible]	1580.4	1552.9	0.6	1.7	720.8	825.8	14.9	16.6
	1976 [illegible]	1781.8	1752.9	0.3	1.8	755.4	995.4	18.4	15.5
51 RUGS	1977 [illegible]	2011.2	1984.7	[illegible]	1.0	861.2	1102.5	13.7	12.8
	1978 [illegible]	2178.1	2149.1		0.9	970.4	1177.8	[illegible]	15.2
SEE DETAIL IN ITEMS 50 & 51	1979 [illegible]	2270.7	2243.2		0.6	1038.5	1204.1	10.6	10.9
[illegible]	1980 [illegible]	1926.5	1900.7		0.2	1001.8	898.7	15.2	10.4
90 TWINE	1974 [illegible]	1428.4	1405.0		2.9	615.8	786.3	4.0	19.4
[illegible]	1975 [illegible]	1417.7	1397.8		1.7	577.0	818.2	3.3	16.6
	1976 [illegible]	1593.4	1571.6		1.8	577.7	992.1	3.3	15.5
	1977 [illegible]	1790.4	1780.7		1.0	695.8	1091.9	2.9	12.8
NON-ADD	1978 [illegible]	1938.1	1921.7		0.9	750.7	1166.1	3.2	13.2
SEE DETAIL	1979 [illegible]	2068.0	1994.4		0.6	817.8	1170.0	1.7	[illegible]
IN ITEM 50	1980 [illegible]	1686.2	1672.7		0.2	801.0	868.5	3.1	10.4
94 BACKING*	1974 [illegible]	172.2	154.2	1.1		145.0	10.1	18.0	
	1975 [illegible]	166.7	155.1	0.6		148.9	5.6	11.6	
	1976 [illegible]	191.4	181.5	0.5		177.7	3.3	10.1	
13 AND 31 IF PAPER	1977 [illegible]	214.8	204.0	[illegible]		196.4	7.6	10.8	
	1978 [illegible]	240.0	227.4			215.7	11.7	[illegible]	
NON-ADD	1979 [illegible]	261.7	248.8			220.7	28.1	[illegible]	
SEE ITEM 50	1980 [illegible]	228.0	216.1			197.8	18.2	12.1	
52 CURTAINS*	1974 [illegible]	53.5	50.0	0.6	7.5	10.5	8.4	14.5	
	1975 [illegible]	67.6	53.6	3.6	13.0	20.5	10.5	14.0	
	1976 [illegible]	67.5	54.1	5.7	19.1	19.8	11.5	13.4	
53 SHEET ITEMS*	1977 [illegible]	74.0	62.0	1.8	16.3	23.4	20.6	12.0	
	1978 [illegible]	88.7	78.2	3.8	19.1	25.5	20.8	10.5	
[illegible]	1979 [illegible]	72.0	62.5	2.4	10.6	25.7	26.0	[illegible]	
[illegible]	1980 [illegible]	80.5	80.1	4.0	7.5	28.4	40.2	9.4	
82 TAPESTRY & OTHER*	1974 [illegible]	588.9	481.2	42.0	145.0	109.2	97.0	226.5	9.2
	1975 [illegible]	522.3	393.5	26.0	98.0	117.5	50.0	220.3	10.5
	1976 [illegible]	560.0	439.1	26.1	145.0	108.4	60.5	215.0	11.0
98 K UNITS TO BE AS	1977 [illegible]	587.0	479.8	43.5	121.0	108.1	109.2	198.8	13.4
	1978 [illegible]	587.2	480.4	42.5	138.0	103.4	100.4	180.8	16.1
[illegible]	1979 [illegible]	575.1	498.5	47.5	115.0	112.6	133.4	[illegible]	11.5
[illegible]	1980 [illegible]	488.7	428.8	34.1	94.4	94.7	105.6	148.5	11.4
OTHER HOME FURNISHINGS*	1974 [illegible]	49.4	28.3	2.4	0.9	7.8	12.7	20.1	
	1975 [illegible]	46.6	34.7	0.2	0.4	8.4	7.0	25.9	
	1976 [illegible]	54.5	38.0	0.3	0.1	9.2	2.4	26.5	
[illegible]	1977 [illegible]	52.9	25.5	2.0	0.5	14.1	9.1	27.4	
	1978 [illegible]	52.1	22.8	2.6	2.0	12.8	5.0	29.3	
[illegible]	1979 [illegible]	73.9	45.7	2.5	5.0	18.5	19.0	28.2	
[illegible]	1980 [illegible]	75.9	48.0	1.5	5.8	18.8	22.1	27.9	

NOTES FOR HOME FURNISHING ITEMS OPPOSITE

4 For all lettered and general footnotes to this table, see page 195.

HOME FURNISHINGS These data cover the use of each item not only in homes, but also in offices, hotels, institutions, etc. For certain transportation uses, note Items 50a, 63 & 64.

None of the poundages tabulated include any cotton stuffing or filling materials in items such as furniture, pillows, mattresses, comforters & quilts, sleeping bags, seat padding, etc. For the man made fibers, however, stuffing & fiberfill is tabulated in the Industrial section. Note text page 186 regarding the inclusion of certain man made fiber waste poundages here. Certain felt poundages are in Item 70.

45 BEDSPREADS includes tailored & throw spreads, both tufted & woven, as well as the backing. **QUILTS** includes comforters and their outer shell; quilted pads are in Item 47.

46 BLANKETS & BLANKETING includes woven, knitted, needle punched and flocked full size and crib blankets and electric blanket shells, as well as the woven acetate or nylon filament yarn bindings thereof. Sizable poundages of rayon, acrylic, nylon & wool waste are included here.

47 SHEETS includes pillowcases. **OTHER BEDDING** includes the outside cover of quilted pads, mattress pads, mattresses & innersprings, civilian cots and sleeping bags. Mattress felts are in Item 70. The man made staple poundages here are mainly polyester for sheets and rayon & polyester for bed ticking. The man made filament is chiefly polyester for bed ticking.

48 TOWELS & TOWELING includes woven hand, bath, dish towels, etc. Nonwoven towels, such as "Handi wipes" and industrial wiping cloths, are in Item 61. The large cotton waste poundage used in these products is not included.

50b NARROW FABRICS includes only home furnishings applications. See the Apparel and Industrial sections for Narrow Fabrics in those applications.

50 CARPETS & RUGS (TOTAL) is the sum of 50a & 50b.

50a FACE YARNS The data include tufted, woven, knitted and needle punched types. Tufted includes broadloom & roll goods, transportation carpeting, scatter rugs, bath mats and "grass". Woven includes carpets such as Axminster, Velvet, Wilton, etc. Knit goods are mainly scatter rugs. Needle punched are the indoor-outdoor carpets. Item 50a does not include braided, hooked or woven twisted paper carpets.

By fiber detail on the poundage of fibers used in carpet face yarns is given in the table below.

50b CARPET BACKING FIBERS The BCF Yarn is industrial rayon used for woven carpet chain warps. The Other Yarn is olefin (monofil+film fiber+spun-bonded) and small poundages of nylon & polyester filament yarn. The Other staple is olefin only.

The substantial poundages of jute used as woven primary & secondary carpet backing, as well as the jute yarn used in the warp of woven carpets, are not tabulated in Item 50b. Nor does it include the poundages of wool, hair and jute used in carpet and rug pads and cushions.

51 CURTAINS includes lace and other types (principally woven), i.e., cafe, tiered & cottage; ruffled; shortie drapes and tailored; shower curtains are in Other Home Furnishings.

52 DRAPERY & UPHOLSTERY includes furniture slipcovers and vinyl coated cotton fabrics for upholstery. The olefin & saran webbing for outdoor furniture is included under Narrow Woven Industrial (Item 50c). Also includes the backing & headers of drapery fabrics. The cotton data include cotton drapery linings.

OTHER HOME FURNISHINGS includes woven & lace tapery, such as tablecloths & napkins, doilies, etc., as well as the cotton in window shades. For the man made fibers, it includes insect screening & netting. Wall covering fabric is in Miscellaneous Industrial.

ITEM 50A. ANALYSIS OF FACE YARNS BY CARPET TYPE & BY FIBER

MILLION POUNDS

	1974	1975	1976	1977	1978	1979	1980
FILAMENT YARN BCF (Bulked Continuous Filament)							
NYLON	556.0	517.8	511.9	617.8	677.8	732.8	714.5
POLYESTER	10.0	10	10	10	10	10	10
OLEFIN (BCF FIBER)	50.2	50.3	65.8	67.0	76.9	85.5	80.5
TOTAL BCF	**615.8**	**577.9**	**577.7**	**684.8**	**756.7**	**817.8**	**804.0**
STAPLE & WASTE (Spun Yarn)							
RAYON	2.0	1.7	1.8	1.1	0.0	0.0	0.2
NON CELLULOSIC							
ACRYLIC (WOOL BLEND)	138.9	80.8	91.5	76.7	0.0	0.0	0.0
NYLON	499.0	518.4	658.8	761.3	848.4	881.0	660.7
POLYESTER	154.3	148.3	208.0	215.5	208.1	204.9	142.1
OLEFIN	58.7	54.9	33.2	45.0	41.0	41.3	31.2
TOTAL NON CELLULOSIC	786.4	818.2	992.1	1094.9	1164.1	1176.0	868.5
COTTON	4.0	5.4	3.3	2.9	3.2	8.7	5.1
WOOL	10.4	10.0	15.5	12.8	15.2	10.0	10.4
GRAND TOTAL	**1428.4**	**1417.7**	**1590.4**	**1796.4**	**1938.1**	**2009.0**	**1686.2**

INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN MADE FIBERS[b] TOTAL	RAYON-ACETATE YARN	RAYON-ACETATE STAPLE	OTHER YARN	OTHER STAPLE	COTTON	WOOL
TOTAL	1974	2832.7	2274.4	118.0	269.1	1528.0	359.3	548.5	10.0
INDUSTRIAL &	1975	2485.9	1988.9	61.9	202.1	1332.3	392.1	491.1	6.4
OTHER	1976	2954.4	2377.6	60.8	254.1	1591.6	471.1	569.3	7.5
CONSUMER	1977	3144.6	2609.1	62.1	254.3	1742.6	550.1	527.5	8.0
	1978	3323.3	2842.5	66.7	234.8	1903.9	637.1	471.8	9.0
	1979	3475.1	3005.0	50.4	220.5	2009.1	725.0	461.6	8.5
	1980	3085.0	2654.1	39.8	209.2	1797.4	607.7	420.2	10.7
[illegible]	1974	841.0	541.1	11.8		501.1	1.2	51.5	
[illegible]	1975	663.3	492.2	0.1		388.5		293.1	
	1976	829.0	574.3	0.0		567.7		254.6	
[illegible]	1977	815.3	620.1	0.2	1.1	618.8	1.1	193.5	
	1978	857.1	684.1	0.4	0.5	675.3	0.5	173.4	
	1979	862.2	705.1	0.2	1.1	700.0	0.4	157.1	
	1980	780.0	634.8	1.9		610.9	2.8	144.8	
[illegible] MEDICAL	1974	2564.1	1770.9	11.4	1060.0	9.1	6.5	794.1	
MEDICAL &	1975	2455.5	1500.6		1360.0	11.6	3.0	952.0	
SANITARY*	1976	2954.3	2000.0		1740.0	10.0	10.0	954.3	
	1977	3177.7	2310.0		1760.0	22.0	10.5	867.8	
	1978	3254.8	2460.0		1650.0	24.5	41.5	794.8	
	1979	3368.5	2580.0		1550.0	24.5	80.4	788.0	
	1980	3510.0	2754.1	1.3	1417.7	41.0	80.8	755.8	
[illegible]	1974	581.1	223.1	0.0	5.0	5.5	10.0	358.5	
TRANSPORTATION	1975	420.0	90.0	0.0	1.1	8.1	20.8	330.0	
FABRIC*	1976	595.5	61.1	0.0	2.5	12.4	24.0	534.0	
	1977	582.2	93.5	0.5	5.8	15.5	20.0	488.7	
	1978	604.1	95.4	2.0	0.5	10.4	10.0	510.0	
	1979	590.0	82.5	0.0	2.9	18.8	12.2	516.5	
	1980	475.5	55.0		1.1	16.5	18.5	414.4	
[illegible] FIBER*	1974	6213.1	6128.1	50.5		5554.4		84.5	
	1975	5068.1	5020.1	24.0		4756.0		0.4	
	1976	5610.1	5610.1	80.0		5530.0		0.0	
[illegible]	1977	5010.1	5002.9	45.8		4270.0		0.7	
	1978	5035.5	5000.1	47.0		3520.1		3.0	
	1979	5724.8	5650.0	25.7		5002.2		0.4	
	1980	4184.4	4150.0	20.5		3925.5		5.4	
[illegible] TIRE*	1974	561.1	481.1	22.0		170.1	1.1	0.2	
	1975	562.2	523.3	14.5		9.4	8.4	5.0	
	1976	618.1	554.1	14.2		110.1	9.0	0.4	
[illegible]	1977	441.0	475.1	14.0		15.6	7.0	0.5	
	1978	685.1	655.1	16.0		185.5	9.0	15.0	
	1979	524.1	472.1	15.5		109.1	11.8	15.2	
	1980	431.1	387.1	11.9		18.5	8.5	4.0	
[illegible] BELTING*	1974	703.1	558.1	4.5	1.0	50.0	15.7	20.0	
	1975	577.5	500.1	3.0	0.4	42.5	15.7	17.0	
	1976	805.1	593.1	15.1		43.4	14.8	21.2	
	1977	744.1	544.1	15.2		47.1	14.1	20.0	
	1978	708.1	574.1	12.0	0.2	47.1	18.1	15.4	
[illegible]	1979	814.1	750.1	11.7	0.2	44.7	20.3	15.7	
	1980	620.1	505.1	3.0	0.7	34.5	16.8	11.5	
[illegible] ELECTRICAL &	1974	681.8	658.8	0.1		656.7		24.0	
INSULATED	1975	459.0	434.0			434.0		25.0	
WIRING*	1976	536.0	511.0			511.0		25.0	
[illegible]	1977	509.8	504.8			504.8		25.0	
	1978	678.8	653.8	1.1		653.0	10.2	25.0	
[illegible]	1979	712.5	687.5	10.2		686.9	10.2	25.0	
	1980	647.1	622.1			622.1		25.0	
[illegible] TIRE*	1974	25.0	10.5		2.0	2.5	5.0	5.8	9.5
	1975	18.1	9.0		2.5	2.0	5.4	5.1	5.0
	1976	19.7	9.7		2.1	3.0	0.0	5.5	6.5
	1977	20.1	11.5		5.2	2.0	0.1	3.8	7.0
	1978	25.3	15.8		0.1	2.5	7.4	3.5	8.0
	1979	26.5	17.0		5.4	5.2	7.1	3.4	7.5
	1980	28.1	17.0		5.1	4.5	5.8	3.4	9.7

END USE & YEAR		TOTAL FIBER	MAN MADE FIBERS[b] TOTAL	RAYON-ACETATE YARN	RAYON-ACETATE STAPLE	OTHER YARN	OTHER STAPLE	COTTON	WOOL
[illegible] FILTRATION*	1974	40.4	39.4		18.7	9.7	11.0	1.0	
	1975	26.2	21.0		13.0	7.6	10.2	5.2	
[illegible]	1976	34.0	28.5		5.8	8.8	14.7	5.7	
[illegible]	1977	40.9	35.0		4.2	8.0	22.8	5.9	
[illegible]	1978	44.0	38.5		4.4	8.8	25.3	6.1	
[illegible]	1979	40.8	35.6		5.3	10.5	27.0	5.2	
[illegible]	1980	48.9	43.5		4.0	8.4	30.0	5.6	
[illegible] SEWING	1974	1200.1	42.7	2.1	1.8	28.5	10.3	77.4	
THREAD*	1975	1000.1	41.8	1.0	1.9	29.8	12.3	101.2	
	1976	1284.1	50.4	0.5	2.0	35.4	11.6	72.7	
[illegible]	1977	1158.1	55.7	0.4	4.5	36.0	12.0	56.1	
	1978	1151.1	50.0	0.2	4.8	40.7	14.7	55.2	
	1979	1067.1	41.0	0.1	3.7	33.1	13.1	48.7	
	1980	1018.1	45.7	0.1	5.0	45.2	12.9	47.1	
[illegible] ROPE, CORDAGE	1974	1079.1	1269.1	0.9	1.5	111.7	0.8	41.0	
FISHLINE	1975	1027.1	1282.1	8.2	1.8	114.9	8.5	34.5	
ETC.*	1976	1027.1	1186.1	15.0	1.2	107.5	6.9	44.1	
[illegible]	1977	1356.1	1224.1	12.2	1.5	112.9	6.0	33.2	
[illegible]	1978	1715.1	1601.1	12.0	1.0	120.1	10.7	31.1	
	1979	1842.1	1741.1	11.0	2.1	147.1	4.9	40.1	
	1980	1641.1	1430.2	0.8	0.0	132.1	3.1	27.0	
[illegible] BAGS &	1974	748.1	632.1		1.0	622.2	0.1	11.0	
BAGGING*	1975	545.1	441.0			441.0		9.0	
	1976	587.1	497.1			497.1	0.1	9.0	
[illegible]	1977	553.1	469.0			458.8	0.2	7.3	
	1978	518.1	443.5			443.5		7.4	
	1979	622.1	550.1			536.6	1.1	7.2	
	1980	467.1	391.1			391.1		10.8	
[illegible] COATED &	1974	1711.1	1005.1	0.1	20.0	338.1	435.1	718.1	
PRINTED CLOTH*	1975	1445.1	881.1		15.0	240.1	441.1	611.1	
FABRICS*	1976	1781.1	1309.1		19.1	417.1	601.1	497.2	
	1977	1697.1	1021.1		17.4	285.1	561.1	677.1	
	1978	1705.1	1074.1		10.6	368.1	600.1	620.1	
[illegible]	1979	1673.1	1138.1	0.1	10.2	409.1	626.1	535.1	
	1980	1501.1	987.1	0.5	10.5	333.1	553.1	501.1	
[illegible] CAPS & TAPE	1974	551.1	460.1	3.7	1.0	409.1	1.0	85.1	
REINFORCING*	1975	408.1	334.1	1.0	0.0	297.1	1.5	71.1	
	1976	520.1	452.1	1.0	4.5	380.1	1.0	71.1	
[illegible]	1977	580.1	512.1	1.1	0.5	420.1	0.7	71.1	
	1978	520.1	454.1	1.5	3.0	404.1	0.5	0.0	
[illegible]	1979	467.1	431.1	1.2	0.1	400.1	0.3	5.1	
	1980	407.1	362.1	1.3		347.1	0.2	4.5	
[illegible] THREAD	1974	1805.1	1805.1		17.0		172.1		
SEWING	1975	2002.1	2002.1		30.5		180.9		
& KNITTING*	1976	2361.1	2361.1		110.6		225.8		
	1977	2617.1	2617.1		17.7		254.0		
	1978	2681.1	2681.1		14.8		263.3		
	1979	3112.1	3112.1		15.5		305.7		
	1980	2541.0	2541.0		6.5		248.0		
[illegible] FABRICATED	1974	547.1	547.1		13.9		60.8		
NONWOVENS*	1975	541.0	541.0		12.6		61.3		
	1976	577.0	577.0		12.5		65.7		
	1977	845.1	845.1		9.5		74.0		
	1978	967.1	967.1		10.9		85.8		
	1979	1200.1	1200.1		14.8		105.2		
	1980	954.1	954.1		11.1		83.5		
MISCELLANEOUS	1974	2004.1	1720.0	15.0	21.1	1088.1	247.1	122.8	11.7
INDUSTRIAL	1975	2709.1	1604.1	13.6	16.9	965.1	85.5	1018.1	6.8
& CONSUMER USE	1976	3815.1	1825.1	6.6	19.4	1152.2	21.5	1980.0	3.0
PRODUCTS*	1977	4022.1	2613.1	5.0	10.2	1193.1	47.0	1400.0	3.0
	1978	4501.1	3560.0	4.8	17.5	2350.0	80.7	1170.1	3.0
[illegible]	1979	4000.1	3307.1	4.1	17.5	2027.1	50.4	1227.5	3.0
	1980	4760.1	3692.2	2.8	20.9	2027.1	42.8	1058.8	3.0

NOTES FOR INDUSTRIAL & OTHER CONSUMER-TYPE ITEMS OPPOSITE

a. For all lettered and general footnotes to this table, see page 198.

56c NARROW FABRICS here includes woven labels, industrial webbing, shoelaces, tapes (Venetian blinds & industrial), transportation seat belts, auto windlace, channeling & trim, and outdoor furniture webs. These figures exclude transmission & conveyor belting (in Item 67), friction tape and the braided narrow fabric used in electrical applications (in Item 69), and gummed cotton tape (in Item 76).

61 MEDICAL, SURGICAL & SANITARY includes bandages, gauzes, adhesive tapes & plasters, sanitary napkins & tampons, cotton diapers, rayon disposable diapers, surgical gowns and packs. Medical sutures are tabulated in Item 72. Surgical hosiery is in Items 19 & 40. Not included here is cotton waste & linters nor any nontextiles used for filling materials.

65 & 66 TRANSPORTATION FABRIC includes auto seat upholstery & slipcovers, sidewall, headlining (except textile glass in Item 77) and sheeting. The cotton poundages include the knit and woven fabric used as the backing for vinyl sheeting. The item includes convertible auto tops & replacements thereof, as well as upholstery used in other kinds of transportation, such as airplanes, railroad & subway cars, buses, etc. It does not include seat padding, transportation rugs (in Item 50), window channeling (in Item 56c), flocking, tassels, trim, etc., or the textile glass fiber used in reinforced plastic seating for subways, buses, etc. (in Item 77). Starting in 1978, the man-made fiber used for substrates for automotive fabrics is included in Item 75.

65 TIRES includes all types (i.e., automobile, truck, tractor, off-road, bicycle, etc). The data include tire cord & tire cord fabric, chafer and other tire components (i.e., flipper fabric, breaker strips, bead wraps, etc.).

The data include imports of tire yarn, cord & fabric, and also cover any poundages subsequently exported in cord or fabric form. The glass figures represent impregnated yarns.

The consumption of steel tire cord for the years 1974-1980 inclusive is estimated as follows: 97.5, 117.5, 140.0, 182.0, 182.0, 180.0 & 142.0. However, these poundages are **not included** in Item 65 above.

66 HOSE includes fire, chemical, fuel, etc. Does not include braided vacuum cleaner hose.

67 BELTING includes flat conveyor & transmission belts (both rubberized and nonrubberized) and V belts.

69 & 77 ELECTRICAL APPLICATIONS & REINFORCED PLASTICS. The cotton poundages are estimated.

Electrical Applications includes electric wire insulation & covering of all kinds plus friction tape and cable wrap; stuffing & identification. The total fiber consumed does not reflect the increased use of plastic and other nonfibrous coatings, of course.

Reinforced Plastics means high- and low-pressure laminates used in the manufacture of construction materials (corrugated & flat sheet, plumbing accessories, etc.), process equipment (tanks & containers, pipes, ducts, etc.), transportation uses (aircraft, autos, trucks, etc.), and marine; missiles; molded electrical parts, housing, seating, trays, etc. Flexible laminates of cotton are tabulated by end use (e.g., vinyl supported upholstery fabric in Item 65, etc.).

70 FELTS includes wet & dry papermakers' felts, mattress felts and cushioning & wicking felts. Apparel felts (e.g., for shirts) are classified by apparel products. Paint and similar rollers are in Item 50a. Laundry press pads and flatwork ironer pads are in Miscellaneous Industrial. Buffing poundage includes some felts used in filtration (recorded here) and not in Item 71. But excludes the substantial amounts used in pressed felts.

71 FILTRATION includes woven and nonwoven fabrics for wet & dry filtration, including tea bags. The small wool poundage used in the copper refining industry is included in Item 70.

The fiber used in cigarette filtration is **not included** in this end use or in the Industrial Uses totals.

72 SEWING THREAD includes home sewing and industrial & wearing goods, as well as medical sutures.

73 ROPE (braided & twisted) **CORDAGE** (under 3/16"). **FISHLINE, ETC.** includes trawlers, baler or harvest twine, clothesline, fishing twine, etc., as well as fishnets, seines & netting twine.

74 BAGS & BAGGING. The item made Other Yarn is nylon mailbags plus olefin leno mesh & close-woven bags, including sandbags; also includes olefin fagging for wool bales. Carpet backing bale wrap is in Other Industrial.

75 COATED & PROTECTIVE FABRICS includes, for the man-made fibers, tents & tarpaulins, as well as the substrates for vinyl, rubber or urethane coating, lamination or impregnation. Examples of specific end uses covered include parachutes, deceleration chutes & tow targets, awnings, beach, garden & tractor umbrellas, inflatable drainage & cushions, air supported structures & automotive air spring diaphragms and boat & pool covers.

The cotton poundages include awnings, boat covers, tarpaulins and tents. **Not included** here are the cotton poundages used for vinyl substrates, such poundages are tabulated with their appropriate end use (i.e., transportation upholstery (Items 65 & 66), upholstery (Item 82), etc. Man-made fiber surfaces for recreational fields are not included in this survey.

76 PAPER & TAPE REINFORCING includes gummed and pressure-sensitive tape, as well as nonwoven bonded structures for paper, tape and ribbon reinforcing.

79a FIBERFILL STUFFING & FLOCK includes all applications (apparel, home furnishings & industrial). Both graded fiber and waste are included. The consumption of polyester staple & tow in fiberfill for the years 1974-1980 inclusive was: 126.8, 148.4, 182.8, 170.6, 196.2, 230.6 & 205.1. For the same years, use of polyester waste for stuffing and filling materials was: 51.0, 42.5, 51.6, 59.1, 41.5, 45.4 & 2.6.

79b UNALLOCATED NONWOVENS means all nonwoven poundages remaining after the identifiable nonwoven end uses, such as medical, surgical & sanitary, filtration, coated & protective fabrics, and paper & tape reinforcing, have been calculated.

MISCELLANEOUS INDUSTRIAL & OTHER CONSUMER-TYPE PRODUCTS includes the cotton for abrasives, book binding, luggage & handbags, shoes & slippers, tobacco cloth, woven wiping cloths and wall covering fabrics. For rayon, it includes asbestos carrier fiber, laundry supplies and mop yarns. For olefin yarn, it includes agricultural cloth, bale wrap, cable binding, civil engineering fabrics and miscellaneous and other craft yarns.

Also included under Other Yarns are the substantial poundages of textile glass fiber not allocated elsewhere, particularly the poundages used in the manufacture of roofing shingles, built-up roofing and wallboard & plaster.

EXPORTS OF DOMESTIC PRODUCTS[a]

END USE & YEAR		TOTAL FIBER	MAN MADE FIBERS[b]					COTTON	WOOL
			TOTAL	RAYON-ACETATE YARN	RAYON-ACETATE STAPLE	OTHER YARN	OTHER STAPLE		
TOTAL EXPORTS OF DOMESTIC PRODUCTS	1974	492.3	222.4	21.2	34.4	72.2	94.6	255.1	14.8
	1975	441.5	194.0	23.3	26.8	68.3	75.6	234.4	13.1
	1976	476.1	202.5	26.0	26.9	66.1	83.5	266.9	6.7
	1977	417.7	192.7	23.2	28.2	60.8	80.5	220.9	4.1
	1978	448.8	225.2	22.0	21.5	76.0	105.7	219.8	3.8
	1979	620.4	313.4	21.0	12.0	128.6	151.8	301.3	5.7
	1980	617.5	351.8	20.0	10.8	141.0	180.0	259.3	6.4
80. YARN, THREAD, ETC.[c]	1974	85.5	47.6	e	9.6	e	38.0	24.0	13.9
	1975	76.5	47.7	e	9.2	e	28.5	17.0	11.8
	1976	81.1	50.9	e	10.0	e	30.9	18.5	5.7
	1977	79.6	49.5	e	8.4	e	30.1	16.9	4.2
	1978	87.5	47.3	e	4.5	e	34.2	32.0	2.0
	1979	104.2	55.8	e	4.0	e	51.8	34.2	4.2
	1980	105.1	55.5	e	4.5	e	50.9	47.0	1.8
81. WOVEN & KNIT FABRIC[c]	1974	406.8	174.8	21.2	24.8	72.2	56.6	243.1	0.9
	1975	385.0	166.3	23.3	22.6	68.5	52.1	217.4	1.3
	1976	415.0	165.6	26.0	20.9	66.1	52.6	248.4	1.0
	1977	358.1	153.2	23.2	18.8	60.8	50.4	204.0	0.9
	1978	376.5	180.5	22.0	18.0	76.0	73.5	187.8	1.2
	1979	526.2	257.6	21.0	8.0	128.6	100.0	267.1	1.5
	1980	512.4	298.5	20.0	7.5	141.0	130.0	212.5	1.6
82. TIRE CORD & CORD FABRIC[c]	1974								
	1975								
	1976								
	1977								
	1978								
	1979								
	1980								

INCLUDED IN ITEM 65 (END USE 65)

NOTES FOR EXPORT ITEMS ABOVE

a. For all lettered and general footnotes to this table, see page 193.

These exports do not duplicate the end use poundages that are reported in items 1 through 79. Apparel items are not tabulated here because they already have been counted as the fabric was cut; i.e., they are counted only once regardless of the subsequent place of sale or consumer use.

Similarly, fabrics for blankets, sheets, upholstery & draperies, carpets, etc., are excluded since they are measured at the mill level as an end use.

The exports of man made fiber filament yarn, man-filaments, staple, tow, etc., are not tabulated in this section because these products are not a factor in U.S. mill consumption.

On the other hand, the two export items are recorded because, while they were processed or fabricated in U.S. mills, they were exported before reaching the point at which end use is measured.

These data agree with the corresponding figures on page 57 of the March 1981 *Organon*, as revised.

80. YARN, THREAD, ETC. consists of sliver, tops & roving; plied, thrown and spun yarn; sewing thread and handiwork yarns; cotton twine and cordage; and advanced wool.

81. WOVEN & KNIT FABRIC consists of broad & narrow woven fabrics and knit cloth, except that cotton also includes table damask and tire cord & fabric. See footnote 7 on page 57 of the March 1981 *Organon*.

82. TIRE CORD & CORD FABRIC. The data shown in this series in previous *Organon* issues have been incorporated into item 65, Tires. See footnote 65 on page 197.

(Continued from page 1900)

by end use.

Rayon has retained its predominance of the tire market in the EEC (at around 70%), and wool still retains some 18% of the EEC carpet market. This compares with 5% and ½% respectively in the U.S.

U.S. APPAREL MARKET

The table on page 199 opposite shows estimates of the 1978-9 Months 1981 apparel market in the United States on a raw fiber basis. The table is based on available supply rather than the actual consumption of apparel.

In the case of man made fibers, the data on domestic shipments of fiber going into apparel, as reported to the Textile Economics Bureau, are the starting point. That portion of fiber and yarn imports going into the apparel sector is then estimated. Thus, the total of domestic shipments plus fiber imports is the rough equivalent of mill consumption for cotton and wool.

Next, imports of fabric destined for the apparel industry were estimated and added to the above total. Finally, exports of processed yarn and fabrics were deducted from the total to arrive at the apparent consumption at the cutting level. This corresponds to the apparel total shown on page 192 herewith. By adding to this total the net imports of garments (see page 37 of the March *Organon* issue), the total man made apparel available for consumption is arrived at.

Similarly, for cotton and wool, imports of yarn and fabric destined for apparel are added to U.S. mill production. Then the net imports of garments were added to this total to arrive at the available apparel supply.

For the first nine months of 1981, total available supply of apparel totaled 4,267 million pounds (5,690 million pounds annualized) as compared with 5,268 million pounds in 1980. Of this nine month total 1,173 million pounds (1,560 million pounds annualized) or 27.5% were imports as compared with 1,254 million pounds or 23.8% in 1980.

The increased import penetration in 1981 is mainly in the cotton area, in the form of both fabric and garments. On an annualized basis, U.S. mill production of apparel fabric is expected to total some 1,300 million pounds this year (down 10% from the 1980 level of 1,447 million pounds) whereas available supply is expected to total some 2,020 million pounds in 1981 (up 5½% from the 1,917 million pounds in 1980). Thus, imports represent some 42% of the 1981 cotton apparel market as compared with 34% in 1980. As shown on page 204, over the past few quarters, the import balance for cotton manufactures has been increasing.

AMERICAN ENKA SELLS FIBRON SUBSIDIARY

American Enka Company has sold its Fibron subsidiary to Harbour Group, Ltd., of Clayton, MO. The Fibron plant, located in Chattanooga, TN, produces olefin slit film yarn for the sliver knit industry.

ESTIMATES OF THE APPAREL MARKET IN THE U.S.
AVAILABLE-FOR-DOMESTIC-CONSUMPTION BASIS

MILLION POUNDS (RAW FIBER BASIS)

ITEM	1978			1979			1980			9 MOS 1981		
	TOTAL	TOTAL IMPORTS	% TOTAL IMPORTS	TOTAL	TOTAL IMPORTS	% TOTAL IMPORTS	TOTAL	TOTAL IMPORTS	% TOTAL IMPORTS	TOTAL	TOTAL IMPORTS	% TOTAL IMPORTS
COTTON												
IMPORTS OF YARN FOR APPAREL[a]	51	51		12	12		19	19		18	18	
+IMPORTS OF FABRIC FOR APPAREL[a,b]	195	195		154	154		168	168		240	240	
+FABRIC THROWN IN MILLS	1,457			1,470			1,447			972		
= ORGANON END USE SURVEY - COTTON APPAREL[c]	1,685	226		1,636	166		1,634	187		1,220	248	
+IMPORTS OF GARMENTS[a]	430	430		426	426		464	464		380	380	
-EXPORTS OF GARMENTS[a]	62			91			181			98		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**2,051**	**656**	**32%**	**1,971**	**592**	**30%**	**1,917**	**651**	**34%**	**1,511**	**647**	**43%**
MAN-MADE FIBERS												
DOMESTIC SHIPMENTS FOR APPAREL[d]	5,104			5,111			5,142			2,615		
+IMPORTS OF FIBER, YARN FOR APPAREL[e]	178	178		100	100		86	86		74	74	
+IMPORTS OF FABRIC FOR APPAREL[a,f]	80	80		74	74		74	74		41	41	
-EXPORTS OF SEMIMANUFACTURED PRODUCTS[a]	225			315			352			214		
= ORGANON END USE SURVEY - MMF APPAREL[c]	5,155	257		5,971	175		5,947	157		2,572	115	
+IMPORTS OF GARMENTS[a]	420	420		800	800		870	870		545	545	
-EXPORTS OF GARMENTS[a]	43			61			127			90		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**5,532**	**703**	**13%**	**5,270**	**533**	**10%**	**5,199**	**536**	**10%**	**2,611**	**478**	**18%**
WOOL												
IMPORTS OF YARN FOR APPAREL[a]	16	16		14	14		14	14		15	15	
+IMPORTS OF FABRIC FOR APPAREL[a]	26	26		22	22		23	23		24	24	
+FABRIC THROWN IN MILLS	107			106			100			101		
= ORGANON END USE SURVEY - WOOL APPAREL[c]	150	52		142	26		129	25		117	27	
+IMPORTS OF GARMENTS[a]	45	45		50	50		42	42		51	51	
-EXPORTS OF GARMENTS[a]	6			6			5			5		
TOTAL AVAILABLE FOR DOMESTIC CONSUMPTION	**178**	**97**	**54%**	**165**	**65**	**39%**	**152**	**67**	**44%**	**145**	**58**	**40%**
TOTAL (3 FIBERS) AVAILABLE FOR CONSUMPTION	**5,761**	**1,456**	**25%**	**5,406**	**1,190**	**22%**	**5,268**	**1,254**	**24%**	**4,267**	**1,183**	**27%**

a - See page 47 of the March 1981 *Organon* issue.

b - Total cotton fabric imports less estimated poundages for nonapparel uses.

c - See page 192 herewith.

d - Domestic shipments of man made fibers used in calculating the apparel end uses shown on page 192.

e - Grand Total man made fiber imports from page 154 of the September 1981 *Organon* issue less estimated poundages for nonapparel uses.

f - Total man made fiber fabric imports from page 47 of the March 1981 *Organon* issue less estimated poundages for nonapparel uses.

Harbour Group will operate the plant as Fibron Corporation of Tennessee. Corporate headquarters of Fibron Corp. will be relocated to St. Louis, MO. Harbour Group's existing olefin operations include Synthetic Industries, Inc., Chickamauga, GA, and Synthetic Industries (Texas), Houston, TX, in the U.S. and Synthetic Industries (Ireland), Ltd., Newry, Down, Northern Ireland.

SEPTEMBER *Organon* CORRECTION

On page 148 of the September issue, the listing for nylon other was inadvertently omitted from the Du Pont Company listing of products. The plant is located in Chattanooga, TN and produces yarn for *Qiana* fabrics. Only the trade name *Qiana* should have been omitted, as this is now a certification mark.

THIRD QUARTER PRODUCTION OF MAN-MADE FIBERS DECREASES 3½%

Production of man made fibers (except acetate staple+tow & rayon, saran and spandex yarn+monofilaments) totaled 2,489.0 million pounds in the July-September quarter this year, a decrease of 87.4 million pounds or 3½% below the 2,576.4 million pounds produced during the second quarter of 1981. However, third quarter 1981 output was 351.2 million pounds, or 16% above the 2,137.8 million pounds produced during the third quarter of 1980.

Rayon and olefin+vinyon staple+tow and textile glass fiber were the only fiber categories to show a quarter to quarter production gain. Third quarter production of olefin+vinyon staple+tow was at a record high level of 37.1 million pounds.

Non cellulosic yarn+monofilament production (except saran and spandex) totaled 972.8 million pounds during the third quarter, 4% below second quarter output of 1,011.1 million pounds, but 19% above production of the corresponding 1980 quarter.

July-September 1981 output of non cellulosic staple+tow totaled 1,051.3 million pounds, 6% below second quarter 1981 production, but 9½% above the 959.4 million pounds produced during the third quarter of 1980.

Third quarter 1981 production of acetate yarn+monofilaments totaled 65.8 million pounds, 12% below the

QUARTERLY MAN-MADE FIBER DATA

MILLION POUNDS

ITEM	1979					1980					1981				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
YARN+MONOFILAMENTS[a]															
ACETATE															
PRODUCTION	78.2	78.1	78.8	81.2	316.0	80.0	82.1	77.5	68.0	308.5	61.4	75.0	65.8		
SHIPMENTS: DOMESTIC	71.8	72.2	72.0	72.1	288.0	72.0	71.9	64.7	50.7	260.2	55.4	69.0	57.6		
EXPORT	9.4	7.8	6.7	8.6	32.8	7.8	8.7	7.7	8.5	32.7	10.6	8.8	7.7		
TOTAL	81.2	79.9	78.7	80.8	320.7	80.7	80.6	72.4	68.2	301.9	66.0	78.7	65.3		
ENDING STOCK	32.4	33.5	33.6	33.8		33.3	32.6	37.7	38.4		33.8	32.1	32.6		
NYLON+ARAMID															
PRODUCTION	382.5	380.9	349.0	349.2	1461.6	358.1	398.5	343.9	347.8	1048.1	435.1	428.0	403.9		
SHIPMENTS: DOMESTIC	405.8	424.0	400.1	401.9	1631.8	416.9	450.9	347.7	423.5	1538.9	380.5	386.1	340.4		
EXPORT	35.1	34.9	37.1	39.5	146.4	35.2	34.0	38.8	40.0	148.0	40.3	35.5	29.9		
TOTAL	440.9	458.9	437.2	441.4	1778.2	452.2	484.9	386.5	464.5	1686.9	420.8	421.6	370.3		
ENDING STOCK	158.0	140.0	142.4	160.0		102.4	175.7	121.1	104.6		118.9	125.3	158.9		
OLEFIN[b]															
PRODUCTION	155.1	161.4	157.0	165.6	639.1	168.1	152.8	146.8	164.5	632.2	165.9	165.0	168.5		
SHIPMENTS: DOMESTIC	150.6	160.8	154.0	159.8	625.2	156.9	148.9	147.4	158.6	611.7	164.4	158.6	155.0		
EXPORT	5.6	4.0	5.4	5.5	21.1	6.2	5.4	4.4	4.8	20.7	4.9	5.7	4.0		
TOTAL	156.2	164.9	159.4	165.3	646.3	163.1	149.2	151.7	163.4	632.4	169.2	164.3	159.0		
ENDING STOCK	72.2	68.7	66.4	67.1		72.1	75.7	70.8	66.9		61.6	62.3	70.2		
POLYESTER															
PRODUCTION	430.6	437.4	408.0	396.8	1715.6	396.2	368.7	347.9	389.2	1602.0	380.2	418.1	405.4		
SHIPMENTS: DOMESTIC	400.1	402.8	352.0	369.2	1524.1	369.2	410.7	320.4	363.1	1463.4	355.6	394.0	366.5		
EXPORT	31.0	35.0	31.4	30.2	127.8	34.4	31.0	28.6	29.1	123.1	30.3	31.9	34.1		
TOTAL	431.1	438.4	383.4	399.4	1651.9	403.6	441.7	349.0	392.2	1586.5	385.9	425.9	400.6		
ENDING STOCK	135.5	134.4	157.0	152.8		144.9	131.9	120.8	117.8		112.1	104.3	109.3		
TOTAL NON-CELLULOSIC ABOVE															
PRODUCTION	1057.2	1059.6	993.9	1023.0	4130.5	1011.4	880.8	816.6	1001.5	3725.4	979.2	1011.1	977.8		
SHIPMENTS: DOMESTIC	962.0	987.1	888.1	925.4	3762.6	943.1	805.5	815.4	951.0	3514.0	900.4	938.7	861.7		
EXPORT	72.4	75.1	80.9	85.0	313.5	75.8	80.3	79.8	73.9	309.8	75.5	78.1	68.6		
TOTAL	1034.5	1062.2	958.0	1010.4	4089.9	1017.9	885.8	887.2	1024.9	3815.8	975.9	1011.8	930.3		
ENDING STOCK	366.5	368.7	400.0	370.8		370.5	385.5	312.7	289.4		292.6	291.9	334.4		
DOMESTIC SHIPMENTS	962.0	987.1	888.1	925.4	3762.6	943.1	805.5	815.4	951.0	3514.0	900.4	938.7	861.7		
IMPORTS: TEXTILE YARNS[c]	1.1	1.0	1.4	0.9	4.4	0.6	0.9	1.9	1.7	5.1	1.4	2.7	2.1		
OTHER YARNS[c]	9.2	4.9	5.0	2.6	19.5	5.1	3.7	5.0	2.3	12.1	2.2	3.1	3.3		
MONOFILAMENTS	0.5	0.8	0.5	0.9	2.4	1.4	1.5	0.8	0.5	4.0	0.5	0.8	0.9		
TOTAL IMPORTS	10.8	6.6	6.9	4.4	28.3	7.1	6.1	7.7	4.5	21.2	4.1	6.6	6.3		
TOTAL AVAILABLE	1068.8	1093.1	1011.0	1029.8	4202.7	1047.2	811.4	821.1	955.5	4545.2	984.5	945.4	868.0		
TEXTILE GLASS FIBER															
PRODUCTION	232.1	278.8	203.7	239.8	1014.4	232.3	224.0	185.3	217.7	867.4	257.1	290.2	280.6		
SHIPMENTS: DOMESTIC	226.0	261.5	207.1	216.8	912.2	249.7	181.2	182.4	253.8	867.1	222.4	278.8	239.0		
EXPORT	9.2	11.8	13.5	14.1	48.5	15.2	13.8	10.1	9.5	48.6	9.8	7.5	8.5		
TOTAL	235.2	273.8	220.6	230.9	960.5	264.9	195.0	192.5	263.3	915.7	232.2	286.3	247.5		
ENDING STOCK	93.5	100.5	145.6	152.5		120.9	158.9	149.7	104.1		100.0	87.9	121.0		
IMPORTS	2.4	3.8	2.7	2.0	10.4	2.0	2.0	1.7	1.6	7.3	2.6	2.7	7.4		
TOTAL AVAILABLE	237.6	276.6	223.3	232.9	970.9	266.9	197.0	194.2	264.9	923.0	234.8	289.0	254.9		

FOOTNOTES FOR TABLE ABOVE & OPPOSITE

"Imports" are imports for consumption, as reported by the U.S. Census Bureau.

a. Data for rayon and "Other" non-cellulosic yarns (chiefly saran & spandex) are available annually only; see pages 20 & 21 of the February *Organon* for further details on these yarns.

b. Olefin Yarn+Monofilament data also include film fiber as well as spunbonded polypropylene.

c. Yarn imports include singles and plied.

d. Acetate staple+tow data are available annually only; see pages 20 & 21 of the February *Organon* for further details.

e. These figures are composites of the nylon, acrylic+modacrylic, polyester and olefin staple imports, i.e., Commodity Numbers 309.4338, .4342, .4345 & .4346.

previous quarter's level of 75.0 million pounds and 15% below the 77.5 million pounds produced during the July-September 1980 quarter. Rayon staple+tow production during the third quarter of 1981 increased 4% to 118.5 million pounds from the April-June level and was 17% above the 101.0 million pounds produced during the corresponding 1980 quarter.

(Continued on page 202)

QUARTERLY MAN-MADE FIBER DATA *(Continued)*

MILLION POUNDS

ITEM	1979					1980					1981				
	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
							STAPLE+TOW[d]								
RAYON															
PRODUCTION	142.7	142.7	128.1	135.9	549.4	126.9	113.4	101.0	102.0	443.3	116.5	134.1	118.5		
SHIPMENTS - DOMESTIC	117.6	110.5	105.9	108.6	442.6	114.2	92.6	87.5	96.6	390.7	100.2	104.5	100.7		
EXPORT	26.3	22.5	27.8	23.5	100.1	14.0	17.8	7.2	13.0	61.0	14.0	15.2	14.2		
TOTAL	143.9	132.8	133.7	132.1	542.5	128.2	110.4	108.5	109.6	451.7	114.21	119.7	114.9		
ENDING STOCK	27.5	37.4	31.8	35.6		34.3	37.5	34.8	27.2		29.5	23.7	27.3		
DOMESTIC SHIPMENTS	117.6	110.5	105.9	108.6	442.6	114.2	92.6	87.5	96.6	390.7	100.2	104.5	100.7		
IMPORTS FOR CONSUMPTION															
STAPLE	0.3	0.5	2.0	1.3	13.9	1.4	1.5	2.4	2.9	8.0	3.6	3.3	3.9		
GROUPED FILAMENTS	0.5	0.9	0.7	0.5	2.6	0.7	0.7	0.5	0.6	2.5	0.4	0.7	0.6		
TOTAL IMPORTS	0.8	5.2	2.7	1.8	16.5	2.1	2.0	2.7	3.5	10.3	4.0	4.0	4.5		
TOTAL AVAILABLE	124.4	115.5	108.6	110.4	458.9	116.5	94.6	90.0	100.1	401.0	104.2	108.5	105.2		
NYLON+ARAMID															
PRODUCTION	233.4	236.9	234.6	234.9	938.8	214.0	128.5	161.2	223.1	726.6	214.9	235.2	185.8		
SHIPMENTS - DOMESTIC	240.1	235.9	227.8	219.4	913.2	171.9	133.2	187.6	218.5	711.2	206.8	215.9	155.4		
EXPORT	7.2	7.4	8.4	8.3	31.3	8.8	6.1	7.7	9.3	31.9	7.3	8.1	4.5		
TOTAL	247.3	243.3	236.2	227.7	944.5	180.7	139.3	195.3	227.8	743.1	212.1	224.0	159.9		
ENDING STOCK	52.8	46.4	44.8	51.0		84.3	73.3	39.2	34.5		47.3	48.5	72.4		
IMPORTS	0.8	0.4	0.7	0.5	2.4	0.5	0.5	0.5	0.6	1.7	4.9	0.6	0.5		
TOTAL AVAILABLE	240.9	236.3	228.5	219.9	915.6	172.2	133.7	185.9	219.1	710.9	200.7	222.5	164.7		
ACRYLIC+MODACRYLIC															
PRODUCTION	187.5	192.4	184.2	197.2	761.1	206.4	197.7	182.1	193.0	779.2	190.8	176.8	166.8		
SHIPMENTS - DOMESTIC	134.7	146.5	125.6	140.0	546.6	161.6	155.7	124.9	143.1	585.3	130.2	137.0	124.5		
EXPORT	52.2	56.3	61.0	54.1	223.6	50.6	43.9	47.1	44.2	185.8	55.1	50.3	42.5		
TOTAL	186.9	202.6	186.6	194.1	770.2	212.2	199.6	172.0	187.3	771.1	185.3	187.3	166.9		
ENDING STOCK	70.2	60.0	57.6	60.7		54.9	53.0	63.1	68.8		74.5	63.8	64.6		
IMPORTS	2.8	4.3	3.5	2.4	13.0	3.4	4.3	2.6	3.0	13.3	3.6	2.7	2.0		
TOTAL AVAILABLE	137.5	150.6	129.1	142.4	559.6	165.0	160.0	127.5	146.1	598.6	133.8	139.7	125.5		
OLEFIN+VINYON															
PRODUCTION	29.1	32.3	28.2	30.6	120.2	30.7	30.3	26.5	28.2	115.7	31.3	35.1	37.1		
SHIPMENTS - DOMESTIC	30.1	31.4	28.0	29.8	119.3	28.9	26.3	27.0	32.8	115.0	31.9	33.5	32.2		
EXPORT	0.1	0.3	1.4	1.7	3.5	1.4	0.5	1.0	0.8	3.7	0.4	0.3	0.4		
TOTAL	30.2	31.7	29.4	31.5	122.8	30.3	26.8	28.0	33.6	118.7	32.3	33.8	32.6		
ENDING STOCK	21.7	22.3	21.1	20.2		20.6	24.1	22.6	17.2		16.2	15.5	20.0		
POLYESTER															
PRODUCTION	606.6	605.5	618.2	631.9	2462.2	654.3	584.2	589.6	699.6	2526.7	646.0	668.9	693.6		
SHIPMENTS - DOMESTIC	547.6	548.4	522.8	540.6	2159.4	565.1	485.8	498.8	557.3	2107.0	498.2	525.9	507.5		
EXPORT	85.1	59.8	82.2	107.7	334.8	84.8	111.1	156.2	156.3	508.4	129.0	148.2	101.6		
TOTAL	632.7	608.2	605.0	648.3	2494.2	649.9	596.9	655.0	713.6	2549.4	627.2	674.1	609.1		
ENDING STOCK	170.1	172.4	185.6	179.2		185.6	173.9	160.5	166.5		190.3	185.1	179.6		
IMPORTS	0.8	1.1	0.5	0.7	3.1	0.4	0.3	0.5	0.3	1.5	0.5	1.9	1.8		
TOTAL AVAILABLE	538.4	544.5	523.3	531.3	2137.5	565.5	484.1	467.1	557.0	2073.7	493.7	527.8	509.3		
TOTAL NON-CELLULOSIC															
PRODUCTION	1056.4	1067.1	1064.2	1104.6	4282.3	1105.4	949.5	959.4	1143.9	4148.2	1083.0	1116.0	1051.8		
SHIPMENTS - DOMESTIC	932.5	957.0	904.2	919.8	3713.5	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6		
EXPORT	144.6	124.8	154.0	171.8	594.2	145.6	161.6	192.0	190.6	689.8	191.8	206.9	209.0		
TOTAL	1077.1	1080.8	1057.2	1091.6	4306.7	1071.1	960.6	998.3	1142.3	4172.3	1051.9	1121.2	1027.6		
ENDING STOCK	314.8	301.1	308.1	311.1		345.4	324.3	285.4	287.0		318.1	312.9	336.6		
DOMESTIC SHIPMENTS	932.5	957.0	904.2	919.8	3713.5	925.5	799.0	806.3	951.7	3482.5	860.1	914.3	818.6		
IMPORTS FOR CONSUMPTION															
3 FIBERS ABOVE[e]	4.4	5.8	4.7	3.6	18.5	4.1	5.2	3.3	3.9	16.5	9.0	11.2	13.1		
OTHER N.C. STAPLE	4.2	3.8	3.9	3.9	15.8	3.9	3.4	3.1	4.2	14.6	2.4	3.5	4.0		
GROUPED FILAMENTS	1.0	1.4	1.3	1.4	5.0	1.0	1.3	0.6	1.0	4.5	1.3	2.0	2.1		
TOTAL IMPORTS	9.6	10.9	9.9	8.9	39.3	9.0	9.9	7.0	9.1	35.0	12.7	16.5	19.2		
TOTAL AVAILABLE	942.1	967.9	914.1	928.7	3752.8	934.5	808.9	813.3	960.8	3517.5	872.8	930.8	837.8		

(Continued from page 201)

Output of textile glass fiber during the latest quarter totaled 280.6 million pounds, an increase of 8% over second quarter 1981 production of 260.2 million pounds and 53% above the production level of the corresponding 1980 quarter.

THIRD QUARTER SHIPMENTS DOWN 8½%

Shipments of man made fibers (except acetate staple+tow & rayon, saran and spandex yarn+monofilaments) totaled 2,385.6 million pounds during the third quarter this year, a decrease of 8½% from the 2,612.7 million pounds delivered during the previous quarter, but 6% above third quarter 1980 shipments.

July-September 1981 deliveries of non cellulosic yarn +monofilaments (except saran and spandex) were 930.3 million pounds, 8% less than the 1,011.8 million pounds shipped during the second quarter but 5% more than deliveries during the third quarter of 1980.

Non cellulosic staple+tow shipments during the latest quarter totaled 1,027.6 million pounds, 8½% less than second quarter 1981 deliveries but 3% above third quarter 1980 shipments.

Third quarter 1981 shipments of acetate yarn+monofilaments totaled 65.3 million pounds, a decrease of 17% from the previous quarter and 10% less than deliveries during the July-September quarter last year. Rayon staple+tow shipments during the latest quarter stood at 114.9 million pounds, 4% less than second quarter 1981 deliveries but 11% above third quarter 1980.

Textile glass fiber shipments during the July-September quarter of 1981 totaled 247.5 million pounds, a 12% decrease from second quarter shipments of 281.3 million pounds but 29% above third quarter 1980 deliveries of 192.5 million pounds.

U.S. EXPORTS

Third quarter exports of man made fibers, as reported by the U.S. Census Bureau, totaled 378,223 thousand pounds, a decrease of 2% from the 385,143 thousand pounds exported during the second quarter 1981, but 12% above that exported during third quarter 1980. First nine months 1981 exports totaled 1,126,985 thousand pounds, an increase of 11% over the 1,019,622 thousand pounds exported during the corresponding nine months of 1980.

Cellulosic yarn exports during the third quarter of this year decreased 26% from second quarter 1981, to 4,462 thousand pounds, and were 33% below the 6,659 thousand pounds exported during the corresponding 1980 quarter. Cellulosic staple+tow exports during the July-September 1981 period, at 14,977 thousand pounds, decreased 8% from second quarter levels and were 24% less than the 19,717 thousand pounds exported during July-September 1980.

Third quarter exports of non cellulosic yarn+ filaments increased 1½% to 119,715 thousand p from the April-June level of 118,054 thousand p and were 30% ahead of the corresponding 1980 q Exports of textured polyester yarn for the fir months of 1981 are running at about twice the level. Exports to the People's Republic of China a for most of this increase. See pages 156-157 of th tember *Organon* issue for first half 1981 U.S. exp country of destination.

Non cellulosic staple+tow exports totaled 2 thousand pounds in the latest quarter, a decrease from second quarter 1981 levels, but 13% abov quarter 1980 exports. Here again, increased exp polyester staple+tow to the People's Republic of account for most of the 1980 to 1981 increase.

Textile glass fiber exports, at 8,553 thousand p for the third quarter of 1981, declined ½% from th vious quarter and were 27% below the 11,719 tho pounds exported during the same 1980 quarter.

EXPORTS, IMPORTS & BALANCE

U.S. exports of man made fibers and products the third quarter 1981 totaled 515.8 million pou decrease of 7½% from second quarter exports o million pounds, but 1% above third quarter 19 ports.

Third quarter 1981 imports of man made fibe manufactures totaled 236.8 million pounds, an in of 18% from the 201.2 million pounds imported th vious quarter and 30% above third quarter 1980 in

Thus the U.S. had an **export** balance of 279.0 m pounds for man made fibers and products duri third quarter 1981, a 22% decrease from the expo ance of 357.0 million pounds during the second q 1981 and 15% below the export balance recorde ing the corresponding 1980 quarter.

The decline in the third quarter export balance tributable to increased man made fiber apparel i and a decline in exports of most man made fiber ucts. Thus, for third quarter 1981, the U.S. had an **i** balance of 46.6 million pounds as compared with balances of 20.3 million pounds the previous q and 25.5 million pounds in the third quarter 198 last **import** balance for man made fiber manufa was 5.5 million pounds recorded during third q 1979.

Cotton and wool manufactures continued their of recent quarters of ever increasing **import** bal In the third quarter 1981 cotton manufactures h **import** balance of 205.2 million pounds (up 63% the previous quarter) and wool manufactures h

(Continued on page 205)

1100
1000
900
800
700
600
500
450
400
350
300
250
200
TOTAL
MAN-MADE FIBER
COTTON
U.S. TEXTILE FIBER CONSUMPTION
Data are 3 month moving averages plotted at the middle month. For cotton and wool, consumption means fiber put into process at spinning mills. The man made fiber data are U.S. producers domestic shipments plus imports for consumption of (a) rayon staple and rayon+acetate yarn and (b) the non-cellulosic fibers. Acetate staple and textile glass fiber are not included.
Latest Month Plotted
Man Made Fibers Sep
Cotton Sep
Wool Aug
Total Aug
25
20
15
10
9
8
MILLION POUNDS PER MONTH
PERCENTAGE SCALE CHART
EQUAL VERTICAL DISTANCES SHOW
EQUAL PERCENTAGE CHANGES
WOOL
1972
1973
1974
1975
1976
1977
1978
1979
1980
1981

U.S. IMPORTS, EXPORTS & BALANCE OF MAN-MADE FIBER & MANUFACTURES, COTTON MANUFACTURES & WOOL MANUFACTURES

MILLION POUNDS

PRODUCTS	2ND Q 1980			3RD Q 1980			4TH Q 1980			1ST Q 1981			2ND Q 1981			3RD Q 1981		
	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]	IMPORTS	EXPORTS	BALANCE[a]
RAYON+ACETATE																		
YARN-MONOFILAMENTS	2.5	6.3	3.8 E	1.8	6.7	4.9 E	2.0	7.1	5.1 E	5.4	8.4	3.0 E	2.6	6.0	3.4 E	2.6	4.5	1.9 E
STAPLE+TOW[b]	2.0	19.3	17.3 E	2.7	19.7	17.0 E	4.5	12.9	9.4 E	4.0	15.9	11.9 E	4.0	16.5	12.5 E	4.5	15.0	10.5 E
WASTE	0.1	1.8	1.7 E	0.1	1.7	1.6 E	0.1	0.8	0.7 E	0.1	0.7	0.6 E	0.1	0.8	0.7 E	0.2	0.4	0.2 E
SUBTOTAL ABOVE	**4.6**	**27.4**	**22.8 E**	**4.6**	**28.1**	**23.5 E**	**5.6**	**20.8**	**15.2 E**	**7.5**	**25.0**	**17.5 E**	**6.7**	**23.1**	**16.4 E**	**7.3**	**19.9**	**12.6 E**
NON-CELLULOSIC FIBERS																		
YARN-MONOFILAMENTS	5.4	92.5	87.1 E	5.6	92.3	86.7 E	3.8	92.1	88.3 E	3.4	115.7	112.3 E	5.7	118.0	112.3 E	5.2	119.7	114.5 E
STAPLE+TOW	9.8	190.9	181.1 E	7.1	182.0	174.9 E	9.1	195.8	186.7 E	12.8	187.0	174.2 E	16.4	207.5	191.1 E	19.1	205.1	186.0 E
WASTE	5.1	33.7	28.6 E	4.4	22.3	17.9 E	6.2	22.4	16.2 E	11.9	25.7	13.8 E	11.0	27.9	16.9 E	12.5	25.0	12.5 E
SUBTOTAL ABOVE	**20.3**	**317.1**	**296.8 E**	**17.1**	**296.6**	**279.5 E**	**19.1**	**310.3**	**291.2 E**	**28.1**	**328.4**	**300.3 E**	**33.1**	**353.4**	**320.3 E**	**36.8**	**349.8**	**313.0 E**
TOTAL FIBER ABOVE[c]	**24.9**	**344.5**	**319.6 E**	**21.7**	**324.7**	**303.0 E**	**24.7**	**331.1**	**306.4 E**	**35.6**	**353.4**	**317.8 E**	**39.8**	**376.5**	**336.7 E**	**44.1**	**369.7**	**325.6 E**
MAN-MADE FIBER MANUFACTURES[d]																		
SLIVER, TOPS & ROVING	0.9	3.3	2.4 E	1.0	2.4	1.4 E	0.2	3.4	3.2 E	1.2	2.3	1.1 E	0.7	2.8	2.1 E	1.1	3.2	2.1 E
SPUN YARNS	6.6	8.2	1.6 E	4.1	7.4	3.3 E	4.9	9.8	4.9 E	6.8	14.6	7.8 E	8.2	13.4	5.2 E	6.7	9.3	2.6 E
THREAD & CRAFT YARNS	0.5	1.7	1.2 E	0.5	1.9	1.4 E	0.6	1.6	1.0 E	0.7	1.5	0.8 E	0.8	1.3	0.5 E	0.6	1.3	0.7 E
TIRE CORD & FABRIC	*	32.0	32.0 E	*	27.7	27.7 E	*	31.5	31.4 E	*	14.0	14.0 E	*	12.4	12.4 E	0.1	11.8	11.7 E
WOVEN FABRIC	18.0	63.7	45.7 E	17.2	60.3	43.1 E	15.8	70.0	54.2 E	21.4	57.3	35.9 E	25.7	61.5	35.8 E	26.0	45.4	19.4 E
KNIT FABRIC	1.4	5.9	4.5 E	1.6	5.8	4.2 E	1.5	6.3	4.8 E	0.6	5.7	5.1 E	0.5	7.3	6.8 E	0.5	4.9	4.4 E
NARROW FABRIC	2.1	7.8	5.7 E	1.9	6.7	4.8 E	1.6	6.1	4.5 E	1.9	6.2	4.3 E	2.4	6.9	4.5 E	2.3	6.4	4.1 E
APPAREL: KNIT	50.5	33.8	16.7 I	61.9	32.1	29.8 I	39.7	32.0	7.7 I	52.8	33.0	19.8 I	47.1	35.1	12.0 I	60.7	27.8	32.9 I
NOT KNIT	46.4			58.8			40.8			50.5			61.9			78.4		
HOME FURNISHINGS	14.8	31.3	16.5 E	14.8	25.9	11.1 E	14.5	29.0	14.5 E	14.2	22.8	8.6 E	14.1	22.1	8.0 E	16.3	20.4	4.1 E
OTHER		17.0			15.4			15.5			16.6			18.9			15.6	
TOTAL MANUFACTURES	**140.0**	**204.7**	**64.7 E**	**164.0**	**185.5**	**25.5 E**	**124.7**	**205.2**	**80.5 E**	**129.1**	**174.0**	**44.9 E**	**161.4**	**181.7**	**20.3 E**	**192.7**	**146.1**	**46.6 I**
TOTAL MAN-MADE FIBER & MANUFACTURES	**164.9**	**549.2**	**384.3 E**	**181.7**	**510.2**	**328.5 E**	**149.4**	**536.3**	**386.9 E**	**164.7**	**527.4**	**362.7 E**	**201.2**	**558.2**	**357.0 E**	**236.8**	**515.8**	**279.0 E**
COTTON MANUFACTURES[e]	**217.1**	**139.9**	**77.2 I**	**222.9**	**125.5**	**97.4 I**	**173.6**	**116.9**	**56.7 I**	**237.3**	**103.1**	**134.2 I**	**231.3**	**105.6**	**125.7 I**	**285.0**	**79.8**	**205.2 I**
WOOL MANUFACTURES[f]	**27.4**	**8.2**	**19.2 I**	**32.1**	**6.4**	**25.7 I**	**21.6**	**5.7**	**15.9 I**	**23.5**	**3.5**	**20.0 I**	**29.2**	**3.5**	**25.7 I**	**36.5**	**2.7**	**33.8 I**

SOURCES: The man made fiber import and export data are from the U.S. Bureau of the Census.

The man made, cotton and wool manufactures data are from *Cotton and Wool Situation*, a publication of the U.S. Department of Agriculture.

The total man made fiber and manufactures import, export and balance data of this table cover the cellulosic and non cellulosic fibers only; textile glass fiber is excluded.

a. **E** means a net export balance. **I** is a net import balance.

b. Acetate tow is excluded.

c. The fibers included are shown as "Total Man Made Fiber Above" on pages 205 and 207 herewith.

d. Man made fiber equivalent.

e. Raw cotton equivalent. Data are similar to those on page 57 of the March 1981 *Organon* issue.

f. Raw wool content. The data differ from those on page 57 of the March *Organon* issue to the extent that noils and waste are included here.

U.S. EXPORTS OF MAN-MADE FIBERS

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1/1/78	1980					1981				
		1ST Q	2ND Q	3RD Q	4TH Q	YEAR	1ST Q	2ND Q	3RD Q	4TH Q	YEAR
RAYON+ACETATE											
FILAMENT YARN[a]											
TEXTURED	5310888	321	234	1509	521	2585	93	75	72		
OTHER[b]	5310820	6431	6040	5118	6551	24130	8191	5829	4286		
MONOFILAMENTS	5310130	89	32	9	19	149	47	30	9		
STRIPS	5512210	41	1	23	1	66	66	79	95		
SUBTOTAL ABOVE		**6882**	**6297**	**6659**	**7092**	**26930**	**8397**	**6013**	**4462**		
STAPLE - TOW - RAYON	5514222	16581	17478	18763	12095	64917	12222	14234	14369		
STAPLE - ACETATE	5514239	2549	1940	954	812	6255	3692	2046	608		
SUBTOTAL ABOVE		**19130**	**19318**	**19717**	**12907**	**71072**	**15914**	**16280**	**14977**		
WASTE - ADVANCED & NOT ADVANCED	5517400	1842	1773	1726	749	6090	693	795	416		
NON-CELLULOSIC FIBERS											
FILAMENT YARN[a]											
NYLON - TEXTURED	5310808 & 0840	10848	10303	15608	17014	53773	21787	17478	17650		
HIGH TENACITY[c]	5310827	13761	14502	14848	15693	57804	18138	17544	11095		
OTHER	5310820	5848	6514	6218	6387	24967	5461	4325	6280		
POLYESTER - TEXTURED	5310830	22506	29472	30889	31953	114910	18758	58681	65307		
HIGH TENACITY[c]	5310852	7095	6763	8883	4561	23202	4870	5364	6299		
OTHER	5310854	1103	1886	2329	2175	7493	[1]2380	3063	3117		
OTHER - TEXTURED	5310814	4086	5077	5598	4243	19005	4174	3082	2540		
OLEFIN	5310860	589	796	685	652	2520	741	519	838		
OTHER	5310864	1360	1574	1266	1065	5265	1566	1452	1183		
MONOFILAMENTS AND STRIPS											
NYLON	5510020	4364	5002	3647	2294	15307	2487	1935	1879		
POLYESTER[e]	5510040	3500	6050	5678	3757	18985	2816	1767	1562		
OTHER	5510070	1762	3233	2114	1556	8665	1289	1314	2614		
STRIPS	5512220 & 2270	715	1328	598	786	3427	1366	1530	739		
SUBTOTAL ABOVE		**78327**	**92500**	**92360**	**92136**	**355323**	**115733**	**118054**	**119715**		
STAPLE - NYLON	5514240	8263	5805	7693	7545	29306	9443	7030	5848		
POLYESTER	5514242	84380	117941	117965	127084	447290	108893	148242	144558		
ACRYLIC	5514245	39130	30799	34980	40251	145172	41711	40147	39084		
OLEFIN	5514246	866	861	523	1025	3275	664	431	270		
OTHER	5514247	4043	5582	3278	4248	17151	5015	5800	3637		
GROUPED FILAMENTS											
NYLON	5515220	1726	2714	1005	1847	7282	1724	763	746		
POLYESTER[d]	5515245	10041	19690	10025	9124	54880	9508	6700	3802		
ACRYLIC	5515250 & 5255	8704	7541	6487	4795	27517	10076	8360	7144		
SUBTOTAL ABOVE		**163759**	**190923**	**181962**	**195829**	**732473**	**187034**	**207469**	**205089**		
WASTE - ADVANCED & NOT ADVANCED											
NYLON	5517620	3620	4563	4018	2319	14520	3470	4141	5302		
POLYESTER	5517630	22134	17087	10260	11672	61153	11606	14086	12419		
ACRYLIC	5517640	511	511	469	861	2352	1874	1531	573		
OTHER	5517660	11862	11490	7522	7515	38895	8718	9165	8717		
TOTAL MAN-MADE FIBER ABOVE		**308067**	**344468**	**324693**	**331080**	**1308308**	**353439**	**376532**	**369670**		
TEXTILE GLASS FIBER	5512700 & 5770	15164	15511	11719	12013	54407	10180	8611	8553		
GRAND TOTAL ABOVE		**323231**	**359979**	**336412**	**343093**	**1362715**	**363619**	**385143**	**378223**		

SOURCE: U.S. Census Bureau Report

a. Includes thrown, singles and plied yarn.
b. Includes an undetermined amount of rayon tire cord and cord fabric.
c. Includes an undetermined amount of non-cellulosic tire cord and cord fabric.
d. Includes zero twist yarns.
e. These data are obviously incorrect because of misclassification. Most of these poundages should be included with filament yarn.

(Continued from page 202)

import balance of 33.8 million pounds (up 32% from the previous quarter). This **import** balance for cotton manufactures is the highest quarterly balance recorded since the quarterly totals were published in the ***Organon*** beginning with the year 1974. The **import** balance for wool manufactures was the highest since third quarter 1978.

ANNUAL BOUND *Organon* ISSUE

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SELECTED U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION BY COUNTRY OF ORIGIN

THOUSAND POUNDS

ITEM	1981									9 MONTHS	
	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	1981	1980
RAYON+ACETATE YARN, MONOFIL & STRIPS											
CANADA	518	125	8	1	12	5	0	15	4	688	582
MEXICO	161	79	165	41	191	166	81	240	121	1249	1187
BELGIUM	0	50	25	0	76	0	23	0	0	174	0
WEST GERMANY	242	200	555	200	689	179	115	557	306	2885	801
NETHERLANDS	230	503	335	293	262	194	572	330	264	2897	1154
SPAIN	142	0	0	0	41	0	40	0	0	225	59
UNITED KINGDOM	1	10	0	6	81	0	90	75	14	235	1577
JAPAN	64	0	0	0	55	86	0	28	14	175	605
SOUTH KOREA	1	0	0	60	60	0	0	0	60	141	120
ALL OTHER COUNTRIES[a]	19	4	0	0	80	20	5	88	0	125	253
TOTAL R+A YARN	**1184**	**1151**	**1084**	**581**	**1374**	**600**	**726**	**1087**	**803**	**8590**	**6298**
RAYON+ACETATE STAPLE+TOW											
CANADA	400	474	456	451	421	392	411	405	407	3924	1085
AUSTRIA	741	113	166	403	708	250	403	508	526	5088	1055
FRANCE	18	85	50	45	0	45	0	0	0	228	100
WEST GERMANY	0	0	85	0	0	0	0	43	2	130	150
ITALY	0	12	0	0	56	10	105	115	0	284	0
SWEDEN	332	254	184	0	187	227	227	208	224	1913	2575
UNITED KINGDOM	226	76	7	157	203	235	340	75	122	1450	1245
JAPAN	90	147	74	138	59	88	105	87	60	828	789
ALL OTHER COUNTRIES[b]	0	0	0	0	0	0	2	0	96	98	52
TOTAL R+A STAPLE	**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**12543**	**6827**
NON-CELLULOSIC YARN, MONOFIL & STRIPS											
CANADA	50	98	4	579	415	280	889	265	55	2133	2219
MEXICO	14	20	12	15	44	9	5	99	2	218	25
AUSTRIA	0		0	0	64	0	41	10	0	115	1
FRANCE	94	150	205	210	166	109	255	125	101	1573	592
WEST GERMANY	250	382	275	501	426	454	320	508	352	3473	2271
ITALY	52	152	55	0	108	79	0	555	227	986	116
NETHERLANDS	0	1	0	0	49	28		42	0	120	122
SPAIN	61	0	0	0	0	0	0	179	0	240	62
UNITED KINGDOM	57	114	57	5	5	1	4	15	14	250	508
JAPAN	300	671	557	776	602	745	775	691	360	5245	9894
SOUTH KOREA	5	30	5	5	45	2	1	5	5	99	9
ALL OTHER COUNTRIES[c]	8	6	14	0	53	10	52	5	91	254	647
TOTAL N.C. YARN	**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**14393**	**15754**
NON-CELLULOSIC STAPLE+TOW											
CANADA	528	550	449	531	714	425	1250	649	696	5592	1851
MEXICO	190	28	97	510	695	217	141	584	264	2524	24
BELGIUM	0	180	0	152	70	2	5	86	51	426	5
FRANCE	44	707	198	508	555	254	528	168	472	3502	45
WEST GERMANY	541	1965	1625	2255	1644	1545	2586	2455	752	14922	7652
IRELAND		50	0	0	0	0	59	0	59	154	1
ITALY	7	815	616	425	717	164	1426	649	1202	6017	1021
NETHERLANDS	0	59	44	80	55	15	15	98	57	365	4
PORTUGAL	44	58	0	0	89	0	0	5	0	176	55
ROMANIA	0	0	152	84	28	0	25	0	71	358	479
UNITED KINGDOM	208	508	520	175	264	818	715	607	500	5017	1775
EGYPT	0	0	0	0	0	0	0	0	333	333	0
JAPAN	828	335	507	495	545	478	454	288	202	3768	4852
TAIWAN	521	745	566	875	585	866	198	852	1291	6522	8031
ALL OTHER COUNTRIES[d]	0	15	0	16	1	54	23	72	26	205	117
TOTAL N.C. STAPLE	**2514**	**5815**	**4436**	**6078**	**5714**	**4638**	**7181**	**6259**	**5702**	**48337**	**26486**

Other countries supplying 1981 poundages are:
a. Austria 41, Greece 59, Italy 5, Sweden 2, Taiwan 19 & Yugoslavia 21.
b. Belgium 96, Mexico 1 & Venezuela 1.
c. Australia 1, Belgium 63, Denmark 45, Hong Kong 2, Ireland 51, Portugal 8, Sweden 10, Switzerland 71 & Taiwan 5.
d. Austria 42, Brazil 1, Costa Rica 40, Denmark 5, Hong Kong 13, Israel 31, Portugal 16, South Africa 23 & Switzerland 36.

U.S. MAN-MADE FIBER IMPORTS FOR CONSUMPTION

THOUSAND POUNDS

ITEM	COMMODITY NUMBER AS OF 1 - 1 - 78	1981 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	9 MONTHS 1981	1980
RAYON+ACETATE												
YARN - SINGLES												
TEXTURED	310.0100 & .0200	1	10	0	242	4	0	31		0	266	584
OTHER	310.0150 & .0250 [a]	1382	1130	1084	530	1570	681	712	1072	805	8501	5454
MONOFILAMENTS	310.0320 & .0630	1	2	0	0	0	0	0	0	0	3	0
STRIPS, FILLER & OTHER	309.2400 *	0	0	0	0	0	0	5	15	0	20	0
SUBTOTAL ABOVE		**1384**	**1151**	**1084**	**581**	**1574**	**680**	**726**	**1087**	**805**	**8590**	**6298**
STAPLE	309.4205 & .4525	1027	1088	927	867	1442	980	1431	1417	1358	10865	5104
GROUPED FILAMENTS	309.8000 & .9100	259	133	64	185	232	264	451	182	79	1078	1725
SUBTOTAL ABOVE		**1866**	**1139**	**991**	**1072**	**1674**	**1253**	**1662**	**1449**	**1437**	**12543**	**6827**
WASTE - ADVANCED & NOT ADVANCED	309.6005 & .7500	57	7	57	0	55	40	105	40	40	307	226
NON-CELLULOSIC FIBERS												
YARN - SINGLES												
TEXTURED - NYLON	310.0105 & .0205	197	217	215	580	507	575	671	150	170	2003	2155
POLYESTER	310.0110 & .0210	27	7	22	14	79	80	1	294	98	621	412
OTHER	310.0114 & .0214	17	50	8	17	49	25	85	21	3	270	182
OTHER - NYLON	310.0145 & .0245	204	525	127	542	487	554	517	410	458	3410	3070
POLYESTER	310.0150 & .0250	111	411	250	500	482	491	295	935	100	3011	5513
OTHER	310.0171 & .0271 [b]	170	185	115	169	104	50	182	81	108	1245	1001
MONOFILAMENTS	309.0240 & .0340 [c]	145	201	146	321	258	220	458	205	101	2175	3405
STRIPS, OTHER, FILLER	309.2105 & .2500 *	23	11	16	21	9	15	11	14	51	149	189
SUBTOTAL ABOVE		**892**	**1610**	**949**	**2087**	**2035**	**1614**	**1818**	**2183**	**1205**	**14393**	**15754**
STAPLE - NYLON	309.4358	525	2080	1038	2533	2455	1574	4055	3288	2062	20820	1140
POLYESTER	309.4362	332	311	806	661	847	805	528	570	840	6104	1051
ACRYLIC	309.4365	1068	1594	907	1201	1005	505	740	695	480	8252	10342
OLEFIN	309.4366	5	0	804	1	5	71	474	70	125	1884	143
OTHER	309.4355	402	961	675	1088	852	1281	456	1265	1060	8651	10375
GROUPED FILAMENTS												
NYLON	309.8380 & .8540	106	50	106	147	155	190	500	25	18	1215	757
POLYESTER	309.8360 & .8560	0	42	0	0	41	90	18	33		224	117
ACRYLIC	309.8050 & .8150	181	255	178	201	195	512	472	250	175	2215	2049
OTHER	309.8065 & .8165	65	110	302	100	150	180	342	77	350	1736	532
SUBTOTAL ABOVE		**2514**	**5815**	**4336**	**6078**	**5714**	**4658**	**7181**	**6259**	**5702**	**48337**	**26486**
WASTE - NOT ADVANCED - NYLON	309.6025	1508	1567	2822	1715	2154	1067	2250	2514	2417	18161	8085
POLYESTER	309.6040	1071	1810	1547	1005	1475	1521	1458	1408	1282	12456	5451
ACRYLIC	309.6065	280	258	200	256	579	209	87	514	3	2235	1775
OTHER	309.6040	52	208	265	328	127	481	106	340	15	1845	711
NOILS & GARNETTED FIBERS	309.6505 & .7000 *	0	0	0	0	0	0	29	28	0	57	8
OTHER WASTE, ADVANCED	309.7525 - .7555	119	65	8	45	2	6	23	58	51	360	435
TOTAL MAN-MADE ABOVE		**9602**	**13643**	**12532**	**13135**	**14947**	**11679**	**15460**	**15717**	**12935**	**119454**	**70952**
OTHER MAN-MADE FIBER TOPS, YARN & THREAD												
YARN - FIBER												
TEXTURED - CELLULOSIC	310.1100	0		24	0	0	0	0	0	0	24	0
NON-CELLULOSIC	310.1105 [d] & .1110 [e]	208	124	218	315	804	265	342	435	143	2567	708
OTHER - CELLULOSIC	310.1090 & .1190 [f]	16		0		0	0	0	1	0	17	97
NON-CELLULOSIC	310.1050 & .1070 [g]	20	27	26	68	20	4	125	14	15	295	345
SEWING YARN - CELLULOSIC	310.1405 & .1410 [h]	10	25	24	52	47	24	93	180	58	453	492
OTHER	310.1405 & .1410 [i]	1702	1454	1709	1740	2164	1512	1542	1314	1258	14540	15108
OTHER YARNS - SPUN INCL CHENILLE	310.1620 - .1800	352	389	261	415	488	435	861	456	474	4270	1857
HANDICRAFT YARNS & SEWING THREAD	310.1840 - .1940	247	250	188	190	262	292	220	208	195	2038	1690
SILVER, TOPS & ROVING	309.1000	388	475	522	262	178	245	570	505	119	2065	2484
TEXTILE GLASS FIBER	309.2805 & .2900 [f]	1156	441	1047	551	643	1485	1575	5434	2410	12742	5665
GRAND TOTAL ABOVE		**13821**	**16526**	**16231**	**16702**	**19219**	**15739**	**20098**	**22104**	**17501**	**157941**	**99585**

SOURCE: U.S. Census Bureau

NES - Not elsewhere specified

* These items are not reported by the Census as cellulosic vs. non cellulosic. Any separation between cellulosic and non cellulosic is estimated, based mainly on average declared value.

a. Also includes 310.0510 & .0610.

b. Also includes 310.0530, .0550, .0630 & .0650.

c. Also includes 309.0340, .0365, .0500, .0630, .0640 & .0665.

d. There may be some acetate yarn in these data, but the Census figures do not permit a segregation.

e. Also includes 310.1130 & .1134.

f. Also includes 310.2010 & .2130.

g. Also includes 310.1150, .1155, .1170, .2030, .2050, .2130 & .2150.

h. Also includes 310.5005 & .5050.

i. Also includes 310.4046, .4047, .4050, .5015, .5046, .5047, .5049 & .5051.

j. Chiefly roving. Also includes 309.0800 & .0800.

SELECTED U.S. MONTHLY TEXTILE FIBER DATA

MILLION POUNDS

ITEM	1981 JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	YEAR TO DATE[a] 1981	1980
TOTAL SHIPMENTS[b]														
MAN-MADE FIBER DATA[c]														
YARN+MONOFILAMENTS[d]														
ACETATE	**20.9**	**21.6**	**21.5**	**27.1**	**26.4**	**25.2**	**24.6**	**19.9**	**20.8**	**19.5**			**227.5**	**258.7**
NYLON[e] INDUSTRIAL[f]	34.5	34.4	37.2	35.9	32.3	34.3	30.6	35.7	35.0	31.8			341.7	368.5
LOW DENIER INDUSTRIAL[g]	3.0	3.0	3.8	2.8	2.3	3.3	2.5	2.9	3.5	2.7			29.8	30.0
CARPET	67.1	65.8	65.3	73.4	65.3	61.3	56.8	52.9	48.1	40.7			594.7	611.6
TEXTILE	33.7	36.6	38.4	37.3	36.1	37.3	31.7	34.8	35.8	33.0			354.7	366.3
POLYESTER INDUSTRIAL[f]	25.5	24.3	27.3	29.0	24.7	25.5	20.9	27.3	26.2	27.1			263.8	240.7
LOW DENIER INDUSTRIAL[g]	2.1	2.1	2.5	2.9	2.7	2.5	2.5	1.9	2.3	2.4			23.9	24.9
TEXTILE	94.8	90.0	111.3	123.6	106.4	108.6	102.1	107.3	103.9	98.4			1052.4	970.9
OLEFIN[h]	56.0	55.8	57.4	55.5	56.8	52.0	53.5	54.2	51.9	50.1			543.2	520.1
TOTAL NON-CELLULOSIC ABOVE[i]	**316.7**	**316.0**	**343.2**	**360.4**	**326.6**	**324.8**	**306.6**	**317.0**	**306.7**	**286.2**			**3204.2**	**3132.8**
STAPLE+TOW+FIBERFILL[j]														
RAYON	**40.9**	**35.4**	**37.9**	**41.4**	**40.8**	**37.5**	**39.4**	**36.8**	**38.7**	**38.7**			**387.5**	**381.0**
NYLON[e]	70.7	67.5	73.9	80.0	74.8	69.2	62.2	52.8	44.9	41.8			637.8	591.4
ACRYLIC+MODACRYLIC	59.3	62.2	63.8	65.3	61.9	60.1	51.9	50.8	54.3	54.3			591.9	646.6
POLYESTER	208.6	211.1	202.5	243.6	218.6	211.9	212.8	232.9	225.4	214.4			2179.8	2076.2
OLEFIN+VINYON	10.8	10.5	11.2	11.7	12.4	11.7	10.7	11.3	10.6	12.2			112.1	97.0
TOTAL NON-CELLULOSIC ABOVE	**349.4**	**351.1**	**351.4**	**400.6**	**367.7**	**352.9**	**337.6**	**356.8**	**333.2**	**321.7**			**3522.4**	**3411.2**
END-OF-MONTH STOCK														
YARN+MONOFILAMENTS														
ACETATE	**17.0**	**15.4**	**15.8**	**13.5**	**11.6**	**12.1**	**11.4**	**13.7**	**12.6**	**12.4**			**12.4**	**16.6**
NYLON[e] INDUSTRIAL[f]	37.5	37.9	35.7	36.7	42.5	41.2	43.8	38.3	37.2	38.7			38.7	25.6
LOW DENIER INDUSTRIAL[g]	3.9	3.2	3.1	3.5	3.4	3.2	3.6	3.8	3.6	3.9			3.9	3.1
CARPET	37.7	38.2	38.5	33.4	36.4	39.5	47.9	64.9	72.4	80.4			80.4	54.3
TEXTILE	42.8	43.1	41.8	41.7	43.6	41.4	45.1	44.5	45.7	47.6			47.6	45.4
POLYESTER INDUSTRIAL[f]	23.7	23.1	21.3	20.9	23.7	24.7	24.1	22.7	22.0	20.2			20.2	22.2
LOW DENIER INDUSTRIAL[g]	3.6	3.4	3.5	3.6	3.3	3.6	3.6	3.3	2.7	3.1			3.1	4.1
TEXTILE	100.2	104.1	87.3	67.5	72.5	76.0	89.4	84.1	84.6	95.4			95.4	92.7
OLEFIN[h]	63.9	62.3	61.0	60.4	58.3	62.3	61.8	62.2	66.2	64.8			64.8	70.0
TOTAL NON-CELLULOSIC ABOVE[i]	**313.3**	**315.3**	**292.6**	**267.7**	**283.7**	**291.9**	**319.3**	**323.8**	**334.4**	**354.1**			**354.1**	**297.4**
STAPLE+TOW+FIBERFILL														
RAYON	**24.2**	**25.1**	**29.3**	**28.1**	**25.4**	**23.7**	**23.2**	**25.7**	**27.3**	**37.3**			**37.3**	**31.3**
NYLON[e]	33.3	37.4	37.3	33.4	40.1	48.5	61.0	71.8	72.4	73.4			73.4	33.3
ACRYLIC+MODACRYLIC	76.5	76.3	74.3	68.5	67.1	65.8	67.8	64.2	64.0	66.7			66.7	65.0
POLYESTER	174.2	182.3	190.3	178.5	181.7	185.1	195.4	177.4	179.6	180.1			180.1	154.8
OLEFIN+VINYON	16.6	16.9	16.2	15.3	15.2	15.5	16.7	17.9	20.0	21.0			21.0	18.0
TOTAL NON-CELLULOSIC ABOVE	**300.6**	**312.9**	**318.1**	**295.7**	**304.1**	**312.9**	**340.9**	**331.3**	**336.6**	**341.2**			**341.2**	**271.1**
WOOL & COTTON CONSUMPTION														
APPAREL CLASS WOOL	11.0	12.1	14.6	13.2	11.5	13.0	9.3	12.3	11.7				108.7	94.9
CARPET CLASS WOOL	0.8	0.8	0.9	0.8	0.8	0.8	0.7	1.1	1.1				7.8	7.9
TOTAL RAW WOOL	11.8	12.9	15.5	14.0	12.3	13.8	10.0	13.4	12.8				116.5	102.8
RAW COTTON	217.4	245.4	247.1	238.1	220.8	244.4	193.1	235.7	237.7	247.7			2327.4	2539.6

a. Year to date totals except for stock, which is the latest month's data.

b. The monthly production of each fiber may be calculated as total shipments plus a stock increase, or less a stock decrease, over the month.

c. Producers' total domestic plus export shipments.

d. Rayon yarn data are available annually only; see page 21 of the February issue.

e. Data for nylon include aramid.

f. Industrial is defined as 500 denier and coarser with an Instron tenacity of 7 grams or more per denier.

g. Low denier industrial is defined as finer than 500 denier with an Instron tenacity over 5.5 grams per denier.

h. Olefin yarn+monofilaments also includes spunbonded polypropylene and film fiber produced for textile end uses.

i. Saran and spandex data are not included in these totals. See page 21 of the February issue for annual data on these yarns.

j. Acetate staple+tow data are available annually only; see page 21 of the February issue.